Industry-first Lead Delivery System for Unprecedented Access to Lead Options

St. Jude Medical’s Epiducer lead delivery system is the next generation in epidural access. This revolutionary system allows introduction of a unique class of paddle leads as well as multiple lead arrays through a single percutaneous entry point. With unparalleled options and reduced procedural complexity, the Epiducer system is redefining percutaneous procedures.

Experience Control. Booth 1609.

sjmneuro.com

Not all products approved in all countries. Please ask your local representative.

Indications for Use: Chronic, intractable pain of the trunk and limbs. Contraindications: Demand-type cardiac pacemakers, patients who are unable to operate the system or who fail to receive effective pain relief during trial stimulation. Warnings/Precautions: Diathermy therapy, cardioverter defibrillators, magnetic resonance imaging (MRI), explosive or flammable gases, theft detectors and metal screening devices, lead movement, operation of machinery and equipment, postural changes, pediatric use, pregnancy, and case damage. Patients who are poor surgical risks, with multiple illnesses, or with active general infections should not be implanted. Adverse Events: Painful stimulation, loss of pain relief, surgical risks (e.g., paresthesia). Clinician’s manual must be reviewed prior to use for detailed disclosure. Caution: U.S. federal law restricts this device to sale and use by or on the order of a physician.

Epiducer is a trademark of Advanced Neuromodulation Systems, Inc. dba St. Jude Medical Neuromodulation Division. ST. JUDE MEDICAL, the nine-squares symbol, and MORE CONTROL. LESS RISK. are registered and unregistered trademarks and service marks of St. Jude Medical, Inc. and its related companies. ©2010 St. Jude Medical, Inc. All rights reserved.
WHY JOIN IASP?

Our 7,000 members represent more than 70 disciplines involved in the research, diagnosis, or treatment of pain in 126 countries.

We bring together scientists, clinicians, health care providers, and policymakers to stimulate and support the study of pain.

We offer pain-related grant and fellowship opportunities to help educate medical professionals, support projects and education in developing countries, and fund research projects on pain throughout the world.

We organize the biennial World Congress on Pain, providing opportunities for networking and continuing education.

We provide the latest information on pain through our monthly journal, PAIN®, books published by IASP Press®, and Pain: Clinical Updates®.

We are dedicated to shared research and improved pain relief worldwide.

To learn more, visit us online at www.iasp-pain.org/Membership
Scientific Program Committee:

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Nadine Attal, MD PhD, France
Rafael Benoliel, BDS, Israel
Phyllis Berger, BSc, South Africa
Mary Cardosa, MB BS, Malaysia
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Karim Petersen, MD, USA
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Michele Sterling, PhD, Australia
Bonnie Stevens, RN, PhD, Canada
Audun Stubhaug, MD, Norway
Victor Tortorici, PhD, Venezuela
Irene Tracey, PhD, United Kingdom
Hiroshi Ueda, PhD, Japan
Johannes Vlaeyen, PhD, Belgium

Local Arrangements Committee:

Manon Choinière, PhD, Montréal, chair
André Bélanger, MD, Laval, consultant
Aline Boulangier, MD, MPH, Montréal
M. Catherine Bushnell, PhD, Montréal
Louis Gendron, PhD, Sherbrooke
Isabelle Jeannotte, Montréal, consultant
Jacques Laliberté, St. Bruno, consultant
David Lussier, MD, Montréal
Geraldine Martorella, MSc, PhD candidate, Montréal, consultant
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Acknowledgments

IASP gratefully acknowledges the following organizations for supporting the 13th World Congress on Pain with unrestricted educational grants:

AMGEN
Boehringer Ingelheim
Cephalon, Inc.
Endo Pharmaceuticals
Grünenthal GmbH
McGill University - Faculty of Medicine
Université de Montréal - Faculté de médecine dentaire
McGill University - Faculty of Dentistry

IASP gratefully acknowledges the following organizations for supporting the 13th World Congress on Pain with unrestricted educational sponsorships:

Archimedes Pharma Limited
Astellas Pharma Europe Ltd.
Boston Scientific
Eli Lilly and Company
King Pharmaceuticals, Inc.
Medtronic, Inc.
MERCK
Mundipharma International Limited
Pfizer, Inc.
ProStrakan, Inc.
Purdue Pharma L.P.
Purdue Pharma
QRx Pharma
St. Jude Medical
Welcome to the 13th World Congress on Pain. We are pleased to have you join us in Montréal for the world’s premier Congress devoted to pain research and treatment.

**CONGRESS FACILITY**
All official Congress functions for general delegates are located at the Palais des congrès de Montréal (Montréal Convention Centre). Invitation-only events will indicate the specific location of that activity.

**CONGRESS REGISTRATION AND CHECK-IN**
The Congress Registration Desk, located in the Viger Hall, will be open for check-in and on-site registration during the following hours:
- Saturday, August 28: 12:00 – 18:00
- Sunday, August 29: 07:00 – 17:30
- Monday, August 30 - Thursday, September 2: 07:00 – 18:00
### Congress Week-at-a-Glance

Poster sessions and commercial exhibits will be open Monday through Thursday 08:15-17:30.

<table>
<thead>
<tr>
<th>Time</th>
<th>Sunday August 29, 2010</th>
<th>Monday August 30, 2010</th>
<th>Tuesday August 31, 2010</th>
<th>Wednesday September 1, 2010</th>
<th>Thursday September 2, 2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:15-09:30</td>
<td>SIG Satellite Symposia (times vary)</td>
<td>Opening Plenary Session</td>
<td>Associated Breakfast Symposia (07:00-08:00)</td>
<td>Associated Breakfast Symposia (07:00-08:00)</td>
<td>Plenary Sessions</td>
</tr>
<tr>
<td>09:30-10:30</td>
<td>Refresher Courses (08:30–12:00)</td>
<td>Poster Discussion (even)</td>
<td>Poster Discussion (even)</td>
<td>Poster Discussion (even)</td>
<td>Poster Discussion (even)</td>
</tr>
<tr>
<td>10:15-10:45</td>
<td>Break</td>
<td>Break</td>
<td>Break</td>
<td>Break</td>
<td>Break</td>
</tr>
<tr>
<td>10:45-12:15</td>
<td>Workshops/ Symposia</td>
<td>Workshops/ Symposia</td>
<td>Workshops/ Symposia</td>
<td>Workshops/ Symposia</td>
<td>Workshops/ Symposia</td>
</tr>
<tr>
<td>12:15-13:45</td>
<td>Lunch</td>
<td>Lunch</td>
<td>Lunch</td>
<td>Lunch</td>
<td>Lunch</td>
</tr>
<tr>
<td>13:45-14:45</td>
<td>Refresher Courses (13:00–16:30)</td>
<td>Plenary Sessions</td>
<td>Plenary Sessions</td>
<td>Poster Discussion (odd)</td>
<td>Plenary Sessions</td>
</tr>
<tr>
<td>14:45-15:45</td>
<td>Poster Discussion (odd)</td>
<td>Poster Discussion (odd)</td>
<td>Plenary Sessions (14:45-15:15)</td>
<td>Poster Discussion (odd)</td>
<td>Plenary Sessions</td>
</tr>
<tr>
<td>15:30-16:00</td>
<td>Break</td>
<td>Break</td>
<td>IASP General Assembly (15:15–16:30)</td>
<td>Break</td>
<td>Break</td>
</tr>
<tr>
<td>16:00-17:30</td>
<td>Welcome Reception (17:00–19:00)</td>
<td>Workshops/ Symposia</td>
<td>Workshops/ Symposia</td>
<td>SIG Meetings (16:30–18:00)</td>
<td>Workshops/ Symposia</td>
</tr>
<tr>
<td>17:30</td>
<td>End of Posters</td>
<td>End of Posters</td>
<td>End of Posters</td>
<td>End of Posters</td>
<td>End of Congress</td>
</tr>
<tr>
<td>18:00</td>
<td>Associated Symposia</td>
<td>Trainee Reception (18:00-20:00)</td>
<td>Associated Symposia</td>
<td>Associated Symposia</td>
<td>Associated Symposia</td>
</tr>
<tr>
<td>18:15-19:45</td>
<td>Associated Symposia</td>
<td>Associated Symposia</td>
<td>Associated Symposia</td>
<td>Associated Symposia</td>
<td>Associated Symposia</td>
</tr>
</tbody>
</table>

Coffee break will be available on Wednesday afternoon 15:30-16:00.

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**Our Logo**

The logo for the 13th World Congress offers both a glimpse of the host city and an acknowledgment of the purpose of the event. The rolling line below the downtown skyline shows the flow of the Saint Lawrence River, while the rounded half-globe above represents Mount Royal, the ancient volcano that crowns the center of the Island of Montréal and forms the city's favorite park. The warm, graded color traversed by crisscrossing lines speaks of the meeting of people from different situations in a dynamic forum, all moving toward a better understanding and treatment of pain.
ABSTRACT CD
All delegates will receive the 13th World Congress on Pain Abstract CD in their delegate bags. You may purchase additional copies at the IASP Exhibition Booth.

ABSTRACT VIEWER/ITINERARY PLANNER KIOSKS
Online computer kiosks, linked to the Congress Abstract Viewer/Itinerary Planner are available in the concourse just outside Exhibition Hall 220. Delegates can use the kiosks to review abstracts and create a personalized itinerary noting workshops, symposia, and posters of interest. Printing stations allow delegates to print their personal itineraries.

ACCOMPANYING GUEST PROGRAM/HOP-ON HOP-OFF BUS TOUR
All registered Accompanying Guests will receive a name badge allowing them access to the Welcome Reception at 17:00 on Sunday, August 29.

In addition, IASP is pleased to present each registered accompanying guest with a voucher for Montréal’s Hop-on Hop-off bus tour. These vouchers are included among the delegate’s tickets provided at check-in. This voucher can be exchanged at one of three locations for a one-day ticket on the Hop-on Hop-off tour. The locations are: Montréal Science Centre (Old Port); Dorchester Square; or at your Downtown/Old Montréal hotel (with a pickup scheduled the day before by calling 514-398-9769 between 07:00 and 19:00).

AUDIO RECORDINGS
As an added benefit, delegates to the 13th World Congress on Pain will have complimentary online access to audio recordings of all Plenary Sessions, Topical Workshops, and Topical Symposia. The Live Learning Center will also sync available slides to the audio presentation. Delegates will receive their unique login information shortly after the end of the Congress.

Login access will be available for sale to non-attendees following the Congress via the IASP website.

BADGES/CREDENTIALS
Your name badge serves as your credentials to attend all Congress events. Please wear your badge at all times when inside the Palais. Your badge is required for you to enter all Congress scientific sessions, exhibits, posters, social events, welcome reception, and other functions. Room stewards will check your credentials as you enter any session. You must be a delegate to attend scientific sessions. We apologize, but Accompanying Guests and children are not eligible to attend scientific sessions or visit the exhibition.

BANKING/CURRENCY
Canadian currency is the dollar, which is divided into 100 cents. There are 5, 10, 20, 50, 100, and 1,000 dollar bills. One and two dollar bills have been replaced by coins, sometimes referred to as “Loonies” (the bird on the $1 is a loon) and “Toonies” ($2).

Banks are usually open Monday through Thursday, 10:00-16:30; Friday 10:00 to 17:00. In addition, many banks are open from 09:00 to 12:00 on Saturday. Automated Teller Machines (ATMs) are located throughout Montréal, including within the Palais complex. Most are linked to Cirrus, Maestro, or Plus international money systems.

Credit cards, such as Visa and MasterCard, are generally accepted in restaurants, hotels, and shops and can also be used at most ATMs. You can use your Visa, MasterCard, and American Express card at the IASP Press Bookstore. For cash payments, the IASP Press Bookstore will accept only US and Canadian currency.

CAREER CENTER/JOB BOARD
As a service to our members, IASP is offering academic institutions an opportunity to promote their job openings during the Congress. From 09:30 on Tuesday, August 31 through 12:00 on Thursday, September 2, institutions can schedule time in the Career Center to conduct interviews, present general information about their offerings to interested attendees, or both. The Career Center schedule will be posted on the Career Center Job Board.

The Career Center Job Board is located in Viger Hall, near the Registration Desk. Organizations with available positions are encouraged to post information about their openings on the job board. The Career Center will be located in Room 447 of the Palais.

To help facilitate job seekers and job posters, delegates can request a sticker to place on their name badge. A green sticker will indicate those delegates who have an open position that they are trying to fill. A blue sticker will indicate those delegates who are seeking a position. Stickers can be obtained at the Registration Desk.

CERTIFICATES/CME SURVEY
Continuing Education Credit certificates/statements, which verify the credit hours you have earned, will be available to download and print upon completing the Congress Continuing Education Survey. You may download your Continuing Education Credit certificate/statement as many times as required without having to submit the survey again. All delegates will receive an email message the week of September 5 with instructions and a link to the survey.

Certificates of Attendance, which only verify attendance at the Congress, will also be available to download and print. If you require an attendance certificate prior to the week of September 5, you may request one at the New Registration counter.

COPIES
The Palais’ Information Kiosk, located in Viger Hall, can arrange to make photocopies for guests for nominal fee.

DISABLED/SPECIAL NEEDS/ACCOMMODATIONS/ACCESS
Reasonable special accommodations should have been requested during registration, as many accommodations require 14 days’ notice. If you have questions about access to any of our activities, please visit the Congress...
General Congress Information

SECRETARIAT
Secretariat at the Registration Desk. We will make reasonable efforts to accommodate your request.

DRESS/ATTIRE FOR CONGRESS
Unless otherwise specified, dress for all Congress events will be business casual.

ELECTRICITY
The standard voltage in Canada is 110V AC (60 cycles). Appliances designed for another voltage will need an adaptor.

IASP EXHIBITION BOOTH/BOOKSTORE
Please visit the IASP Exhibition Booth, located in Hall 220 at stand 1703. The booth will feature the IASP Press Bookstore and a membership area, staffed by IASP employees. In addition, a booth containing information from the various IASP chapters will be located in stand 1901.

IASP HISTORY BOOK
A special limited-edition book on IASP’s early years through 1984, written by former Executive Officer Louisa Jones, will be available free-of-charge on a first-come, first-served basis at the IASP Exhibition Booth (#1703) and at the Liebeskind History of Pain Collection booth (#2621).

INTERNET ACCESS/INTERNET CAFÉS
The Palais charges a fee ($3.99 an hour or $14.99 per day) for wireless internet access in three public spaces: Viger Hall, the Bleury Foyer (outside Room 510), and the 7th floor Cafeteria. On your Wireless Network Connection screen, choose the Palais's Hotspot Network Connection and then follow the directions to access the internet.

In addition, six internet cafés are open for delegate use during the opening hours of the commercial exhibition. If you need internet access outside those hours, please use the facilities available at your hotel or at one of the internet cafés within the city.

LOCAL TOURS, RESERVATIONS, AND INFORMATION
For assistance with dining reservations at restaurants, local tours, and other information about Montréal, please visit the Congress Tours Desk or the Palais’s information desk, both located near Registration in Viger Hall.

LUGGAGE STORAGE
The Palais des congrès de Montréal will offer a luggage storage service on Thursday, September 2 in Viger Hall for those who have afternoon/evening flights. There is a nominal charge of $5 for the service. Due to space limitation, delegates are encouraged to use the luggage storage facilities in their hotels if possible.

MEALS
IASP will provide two coffee breaks each day, Monday through Thursday, between 10:15 and 10:45 and between 15:30 and 16:00. Delegates can purchase lunch from various food outlets and catering vendors within Exhibition Hall 220, along the Palais street-level concourse, in the 7th level cafeteria, and at local hotels and restaurants.

MESSAGE BOARDS
Message boards will be located near the Registration Desk in Viger Hall for delegates to post or retrieve messages.

OPTIONAL CONGRESS TOURS
Unless otherwise instructed, all Optional Tours purchased during registration will depart from the Viger Bus Depot, accessed from Viger Hall. Please see the tours desk for other questions regarding tours.

PHOTOGRAPHY
While we encourage delegates to take candid photos throughout the Congress events, out of courtesy and respect for the speakers and other delegates, photography during presentations in the Plenary Sessions, Distinguished Lectures, Topical Workshops, and Topical Symposia is strictly prohibited.

Delegates wishing to share their candid photos with other Congress attendees can do so by downloading their pictures to the Congress Flickr site by sending them to: WCPphotos@iasp-pain.org. Please follow these instructions:

1. Send the photo as an attachment (.jpg or .gif) and not embedded in the email.
2. Use the subject line for the photo title – example: “Congress Delegates” or “Dr. Jones Receives Award.”
3. Use the body of the email for the photo caption – please include the names of people and a brief description of the moment captured.

To view photos others have posted to the Flickr site, visit www.iasp-pain.org/montréal/flickr.

PRAYER ROOM/MEDITATION LOUNGE
IASP has designated Room 449 of the Palais as a prayer room/meditation lounge for our guests of all faiths. Please respect the customs and culture of all delegates in sharing this space. For those who require them, restroom facilities are located just down the hall to the left of the room.

PRESS/MEDIA ROOM
The Congress Press/Media Room is located on the 5th Floor of the Palais in Room 525. This room will be available for credentialed members of the press/media to use for media events, interviews, and other activities. Congress press agents will be available to assist press/media members with their requests. Representatives of the press/media must present standard press/media credentials in order to register for the Congress.

SMOKING
In 2006, Québec’s government enacted a strict smoking law, which bans smoking in public places, including bars and restaurants. In addition, most hotels have converted to non-smoking facilities.

SPEAKER PREPARATION ROOM
The Speaker Preparation Room for Refresher Course, Plenary, and Topical Workshop/Symposia speakers is located in Room 523 on the 5th floor of the Palais. It will be open Saturday, August 28, from 12:00 to 18:00; Monday through Wednesday from 07:00 to 18:30; and Thursday from 07:00 to 16:00.
All speakers who did not submit their presentations in advance should visit this room to provide their computer files at least one day prior to their scheduled sessions. The organizers cannot be responsible for errors or technical issues with presentation files provided less than 24 hours before a scheduled lecture or workshop. Computers will be available for speakers to preview their slides.

SURVEYS
All delegates will receive links to two surveys during the week of September 5. The Congress Continuing Education Survey focuses on the speakers and scientific content of the event. This survey must be completed to receive your Continuing Education Credit certificate/statement.

Delegates will also receive a link to a Congress Logistics Survey, which allows you to provide feedback and input regarding the logistical aspects of the 13th World Congress on Pain.

TELEPHONES
Several public pay phones are located throughout the Palais. Telephones operate using coins and credit cards. Please see the phone for details on how to make a call. Please silence mobile phones during all presentations.

TIPPING/GRATUITIES
Service is not included on your check in restaurants, so it is customary to add a 15% tip to the total before taxes (if you’re with a large group, 15% for service may be automatically added to your bill). Taxi drivers, hairdressers, etc., are also normally tipped 15%. Bellhops, porters, doormen, etc., generally receive at least $2 per suitcase or per service rendered.

General Congress Information

WELCOME RECEPTION
IASP invites all Congress Delegates and registered Accompanying Guests to attend the 13th World Congress on Pain Welcome Reception from 17:00 to 19:00 in Hall 517 of the Palais des congrès de Montréal on Sunday, August 29, 2010. The Local Arrangements Committee has planned a special evening where attendees can enjoy the theatrical mix of circus arts and street entertainment that was born in Montréal and a hearty menu of canapés and appetizers. It will be an excellent chance for delegates to make connections with like-minded professionals from around the world.

A Congress name badge or an “Additional Guest” ticket is required for admission to the Welcome Reception.

POSTER SESSIONS
Daily poster sessions are located in Hall 220 of the Palais. Each poster will be on display for an entire day from 08:15 to 17:30. Poster presenters must have their displays in place by 08:15 each morning. Presenters will be allowed to enter to the hall at 07:45 each morning to hang their posters. Please do not remove posters before the end of the day’s poster session.

Note: Presenting authors are required to be present at their posters during the daily discussion periods.

- Even-numbered poster boards: 09:30 – 10:30
- Odd-numbered poster boards: 14:45 – 15:45
  (13:45 – 14:45 on Thursday)

Velcro and push pins, provided by the Congress Secretariat, will be used to attach posters to the poster boards. Staffed Poster Services desks will be located in the poster area to dispense the materials and answer any questions.

Congress Events

COMMERCIAL EXHIBITION
Pharmaceutical companies, medical manufacturers, and other entities involved in the study and treatment of pain will hold a commercial exhibit Monday through Thursday in Hall 220 from 08:15 to 17:30. This program includes a catalog of exhibitors.

IASP GENERAL ASSEMBLY
A general assembly and business meeting of IASP members will be held on Wednesday, September 1, from 15:15 to 16:30 in Hall 517. All IASP members and other interested persons are invited to attend. An agenda for the meeting is located on Wednesday’s daily schedule in this program.

IASP SPECIAL INTEREST GROUP (SIG) MEETINGS
IASP Special Interest Groups (SIGs) will conduct 90-minute business meetings on Wednesday, September 1, from 16:30 to 18:00. Room assignments for each SIG are noted on Wednesday’s daily schedule in this program.

ASSOCIATED (COMPANY-SPONSORED) SYMPOSIA
Several of the official Congress sponsors will hold evening symposia each day after Congress sessions end, and/or breakfast symposia on Tuesday and Wednesday mornings before the Plenary sessions begin. See each day’s schedule for a listing of sponsoring companies and locations. Further information is available at each sponsor’s exhibit booth and on promotional materials provided in your delegate bag.

TRAINEE NETWORKING RECEPTION
The 13th World Congress on Pain invites trainee delegates to attend the special Trainee Networking Reception on Monday, August 30, from 18:00 to 20:00. This reception, intended for trainees and invitees only, will take place atop Place Ville-Marie – the tallest building in Montréal – at Altitude 737 Club, 1 Place Ville-Marie (corner of University Street and René-Lévesque Boulevard). The club will remain open after the reception for guests to enjoy the rest of the evening.
In an effort to lessen the impact of the 13th World Congress on Pain on our environment, IASP has taken several steps to reduce waste during the conference.

- We no longer publish an Abstract Book (nearly 700 pages) in favor of a CD, provided to each delegate, preventing the use of 1.75 million pages of paper.
- We used an online abstract-submission process, eliminating the use of thousands of pieces of paper.
- Instead of distributing individual bottles of water, we will provide each delegate with a reusable water bottle to use with water coolers placed throughout the Palais.
- We provided the Exhibitor Service Manual online only, preventing the use of nearly 5,000 pages of paper.
- Congress delegates registered online, eliminating the use of approximately 30,000 pieces of paper.
- Virtually all delegate communication is handled electronically, saving approximately 15,000 pieces of paper, as well as fuel and carbon used for delivery.
- Post-Congress surveys for Continuing Medical Education credits are now completed online, eliminating the use of nearly 100,000 pieces of paper.
- IASP and the Palais are pleased to provide recycling bins throughout the facility for Congress delegates.
- The World Congress on Pain is participating in Tourisme Montréal’s “Community Kindness” program, which collects unused products and giveaways – from both exhibitors and delegates – and distributes them to local charities.
- The Palais staff will recycle all renewable materials left in the conference rooms and halls.
- The Palais des congrès de Montréal was among the first convention centers in Canada to be BOMA BEST certified, in recognition of its exceptional environmental management efforts.
- The Palais adopted green practices that have a favorable impact on several aspects of its operations, e.g., reducing water use, recycling (paper, wood, glass, metal, plastic, as well as bulky items such as plaster and carpeting), using eco-friendly construction materials, and managing hazardous waste and ozone-depleting substances.
- In addition, the Palais uses green certified and biodegradable products for housekeeping use whenever possible.

REFRESHER COURSES

Delegates who have paid to attend Refresher Courses on Sunday, August 29, must complete their Congress check-in and receive their class tickets before attending the courses. Registration will be open on Saturday afternoon and evening from 12:00 to 18:00 and prior to the start of the Refresher Courses on Sunday morning, beginning at 07:00. Due to long queues, we strongly encourage participants to check in on Saturday. Tickets are required for admittance to your Refresher Course session.

Those who are attending Refresher Courses will receive a ticket to exchange for a complimentary copy of the Refresher Course Syllabus book. Tickets can be exchanged for the Syllabus on Saturday from 12:00 to 18:00 and Sunday from 07:30 to 16:30 on the 5th floor Concourse, across from Hall 517. After Sunday, Refresher Course attendees can exchange their ticket for the Syllabus at the IASP Exhibition Booth (#1703) in Hall 220. For those who do not attend a Refresher Course, the Syllabus will be available for purchase at the IASP Press Bookstore.
Continuing Education Tracking/Survey

IASP is pleased to introduce automated Continuing Education Tracking (CET) to the 13th World Congress on Pain.

**What is it?**

Using Radio Frequency Identification (RFID) technology, your attendance at Refresher Courses, Plenary Sessions, Topical Workshops, and Topical Symposia will be electronically registered into our database. At the end of the Congress, once you complete an online survey, you will immediately receive a statement of the credits you earned.

**How does it work?**

There are two important parts to the CET system: your name badge and entry portal towers that will be stationed at the primary entrances to each meeting room. The entry portal towers will register your entrance and exit from the room, noting the time and linking it to the scheduled Continuing Education courses.

The system is easy to use and is in no way intrusive on the meeting. Just make sure you enter and exit your sessions through a door with a portal, and your attendance will be registered.

**How does it benefit me?**

CET benefits our attendees in several ways:

- Attendees no longer have to keep track of which sessions they attended. CET does it for you.
- Attendees no longer have to contend with a lengthy, paper evaluation survey. The CET system puts the survey online and only asks you about the sessions you actually attended.
- Continuing Education statements are immediately available to you online once you complete and submit the evaluation survey.
- CET allows IASP to gather accurate attendance data that will be used to help determine the programming of future Congresses. By understanding your interests, IASP can plan better scientific programs in the future.

**How will the database be used?**

Only in two ways: to provide you with an accurate continuing education statement; and to keep track of attendance demographics of the scheduled sessions. By tracking the number of attendees at each session, we are able to determine which types of sessions are in demand, so that we can be sure to schedule the right topics at future Congresses.

Continuing Education Credits

Your delegate bag includes a complete Congress Syllabus, listing all faculty disclosures, the educational objectives of each session eligible for continuing education credits, and all continuing education statements.

All delegates will receive an email message the week of September 5 with instructions and a link to the Congress Continuing Education Survey. Delegates must complete this survey to obtain their Continuing Education Credit certificate/statement.
### Sunday, August 29, 2010

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
<th>Room/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>07:00-17:30</td>
<td>Registration Open</td>
<td>Viger Hall</td>
</tr>
<tr>
<td>08:00-17:00</td>
<td><strong>SPECIAL INTEREST GROUP SATELLITE SYMPOSIA</strong></td>
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<td></td>
<td><em>(admission by ticket only; times may vary)</em></td>
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</tr>
<tr>
<td>SS 01</td>
<td>Current Concepts in Urogenital Pain</td>
<td>Room 521</td>
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<td></td>
<td><em>Pain of Urogenital Origin SIG</em></td>
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<tr>
<td>SS 02</td>
<td>Neuropathic Pain: Focus on Orofacial Mechanisms and Quantitative Sensory Testing</td>
<td>Room 520</td>
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<td></td>
<td><em>NeuPSIG and Orofacial SIG</em></td>
<td>ABDE</td>
</tr>
<tr>
<td>SS 03</td>
<td>Pain, Mind, and Movement III</td>
<td>Room 512</td>
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<td><em>Pain and Movement SIG</em></td>
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<td>SS 04</td>
<td>Placebo Effects: Implications for Clinical Practice and Clinical Trials</td>
<td>Room 513</td>
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<td><em>Placebo SIG</em></td>
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<td>SS 05</td>
<td>Challenges in Acute Pain</td>
<td>Room 511</td>
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<td><em>Acute Pain SIG</em></td>
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<td>SS 06</td>
<td>‘Chronic Pain Syndrome’ and the Law: Prejudicial Label or Valid Diagnosis</td>
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<td><em>Clinical-Legal Issues in Pain SIG</em></td>
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<td>SS 07</td>
<td>Pain in Older Persons: Facts, Fiction, Future</td>
<td>Room 520</td>
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<td><em>Pain in Older Persons SIG</em></td>
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<td>SS 08</td>
<td>Validity and Quality of Animal Models for Measurement of Pain</td>
<td>Room 522</td>
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<td><em>Non-human Species SIG</em></td>
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<td>SS 09</td>
<td>CRPS: Where We Are Today</td>
<td>Room 512</td>
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<td></td>
<td><em>Sympathetic Nervous Systems SIG</em></td>
<td>CDGH</td>
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<tr>
<td>08:30-12:00</td>
<td><strong>MORNING REFRESHER COURSES</strong></td>
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<td><em>(admission by ticket only; separate registration required)</em></td>
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<tr>
<td>RC 01</td>
<td>Neurobiology of Acute and Persistent Pain</td>
<td>Room 710 A</td>
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<td></td>
<td><em>Mike Salter, Frank Porreca</em></td>
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<tr>
<td>RC 02</td>
<td>Cancer Pain: From Mechanisms to Treatment</td>
<td>Room 519</td>
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<td><em>Sebastiano Mercadante, Allen Burton, Anthony Dickenson</em></td>
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<td>RC 03</td>
<td>The Basics of Brain Imaging</td>
<td>Room 513</td>
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<td><em>Irene Tracey, Giandomenico Iannetti, Petra Schweinhardt</em></td>
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<td>RC 04</td>
<td>From Basic Science to Management of Chronic Musculoskeletal Pain</td>
<td>Room 710 B</td>
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<td><em>Lars Arendt-Nielsen, Cesar Fernandez-de-las-Peñas, Bruce Kidd</em></td>
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<td>RC 05</td>
<td>Utility and Development of Pain Models: Animals to Humans</td>
<td>Room 514</td>
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<td><em>Martin Schmelzl, Gary Bennett, Karin Petersen</em></td>
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<td>RC 06</td>
<td>Basics, Management and Treatment of Complex Regional Pain Syndrome</td>
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<td><em>Ralf Baron, Lorimer Moseley, J. J. van Hilten</em></td>
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<td>RC 07</td>
<td>Orofacial Pain and Headache</td>
<td>Room 518</td>
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<td><em>Antoon De Laat, Peter Goadsby, Joanna Zakrzewska</em></td>
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<tr>
<td>RC 08</td>
<td>Pain Psychology for Non-Psychologists</td>
<td>Room 524</td>
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<td><em>Johannes Vlaeyen, Frank Keefe, Amanda C. de C. Williams</em></td>
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<td>RC 09</td>
<td>Persistent Postoperative Pain: Pathogenic Mechanisms and Preventive Strategies</td>
<td>Room 511</td>
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<td><em>Henrik Kehlet, William Macrae, Audun Stubhaug</em></td>
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<td>12:00-13:00</td>
<td><strong>LUNCH BREAK</strong></td>
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### 13:00-16:30  AFTERNOON REFRESHER COURSES
(admission by ticket only; separate registration required)

<table>
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<tr>
<th>Room</th>
<th>Course Title</th>
<th>Speakers</th>
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<tbody>
<tr>
<td>RC 10</td>
<td>Clinical Pharmacology: Evidence-Based Guidelines and Defining the Proper Outcome</td>
<td>Ian Gilron, Raymond Dionne, Eija Kalso</td>
<td>Room 518</td>
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<tr>
<td>RC 11</td>
<td>Pain Genes for Unraveling Pain: A Course for Non-Geneticists</td>
<td>Marshall Devor, Luda Diatchenko, Michel Ferrari</td>
<td>Room 511 BCEF</td>
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<tr>
<td>RC 12</td>
<td>Neuropathic Pain: From Basic Mechanisms to Clinical Management</td>
<td>Troels Staehelin Jensen, Anthony Dickenson, Per Hansson</td>
<td>Room 710 A</td>
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<tr>
<td>RC 13</td>
<td>Interventional Therapies for Acute and Chronic Pain: Indications and Efficacy</td>
<td>P. Rathmell, Brian Ilfield, Mark Wallace</td>
<td>Room 524</td>
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<tr>
<td>RC 14</td>
<td>Pain and Addiction - Optimizing Outcome, Reducing Risk</td>
<td>Roman D. Jovey, Jonathan Bannister, Seddon Savage</td>
<td>Room 513 ABC</td>
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<tr>
<td>RC 15</td>
<td>Pathophysiology, Diagnosis, and Treatment of Persistent Abdominal/Pelvic Pain</td>
<td>Emeran Mayer, Fred Howard, Kirsten Tillisch</td>
<td>Room 519</td>
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<tr>
<td>RC 16</td>
<td>The Basics, Management and Treatment of Low Back Pain</td>
<td>Paul Watson, Chris Main, Robert Smeets</td>
<td>Room 510</td>
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<tr>
<td>RC 17</td>
<td>The Basics, Management and Treatment of Pain in Children</td>
<td>Denise Harrison, Maria Fitzgerald, Christiane Hermann</td>
<td>Room 710 B</td>
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<tr>
<td>RC 18</td>
<td>Preclinical and Clinical Challenges in Drug Development</td>
<td>Andrew Rice, John Huggins, Steve Quessy</td>
<td>Room 514</td>
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### 17:00-19:00  CONGRESS WELCOME RECEPTION
(name badge or ticket required for admission)

- **Hall 517**

### 18:30-20:00  COMPANY-SPONSORED ASSOCIATED SYMPOSIA

- **Endo Pharmaceuticals**
  - Opioids in Chronic Pain: Evolving Best Practice Strategies
  - Room 511 BCEF

- **Pfizer, Inc.**
  - Current Approaches for the Management of Opioid-Induced Constipation in the Palliative Care Setting
  - Room 520 ABDE

- **Purdue Pharma**
  - Progress in the Pharmacotherapy of Persistent Pain in Canada
  - Room 710 A

- **St. Jude Medical**
  - Controversies in Neurostimulation: Percutaneous, Paddle, or Novel Percutaneous Paddle Hybrid Leads
  - Room 524
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<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>07:00-18:00</td>
<td>REGISTRATION OPEN</td>
<td>Viger Hall</td>
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<tr>
<td>08:15-17:30</td>
<td>COMMERCIAL EXHIBITS OPEN/ POSTER VIEWING</td>
<td>Hall 220</td>
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<tr>
<td>08:15-09:30</td>
<td>PLENARY SESSION</td>
<td>Hall 517</td>
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<td>OUTGOING PRESIDENT’S ADDRESS, G.F. Gebhart</td>
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<td>Ronald Dubner Research Prize</td>
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<td>Anna K. Clark</td>
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<td></td>
<td>PL 01 Pharmacotherapy of Chronic Pain: Clinical Trials, Tribulations, and Trajectories, Robert Dworkin</td>
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<tr>
<td>09:30-10:30</td>
<td>POSTER DISCUSSIONS (EVEN-NUMBERED POSTERS)</td>
<td>Hall 220</td>
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<td>10:15-10:45</td>
<td>MORNING BREAK</td>
<td>Hall 220</td>
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<td>10:45-12:15</td>
<td>TOPICAL SYMPOSIA AND WORKSHOPS</td>
<td>Hall 220</td>
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<tr>
<td>TS 01</td>
<td>NEUROPATHIC PAIN IN HIV DISEASE</td>
<td>Room 510</td>
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<td></td>
<td>C. Cherry, P. Kamerman, A. Rice, D. Simpson</td>
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<td>TW 02</td>
<td>OPIOID TOLERANCE AND HYPERALGESIA: BENCH TO BEDSIDE</td>
<td>Room 511</td>
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<td>D. Clark, K. Petersen, F. Porreca, M. Rowbotham</td>
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<td>TS 03</td>
<td>PAIN AND BODILY ILLUSIONS: THE ROLE OF SENSORY AND PERCEPTUAL INTEGRATION</td>
<td>Room 513 ABCD</td>
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<td>H. Flor, L. Petrini, J. Trojan</td>
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<td>TS 04</td>
<td>NEW INSIGHTS INTO THE ROLES OF THE BASAL GANGLIA IN PAIN</td>
<td>Room 514</td>
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<td>R. Coghill, A. Pertovaara, P. Redgrave</td>
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<td>TW 05</td>
<td>SOURCES OF DATA RELATING TO OPIOID AVAILABILITY AND ACCESSIBILITY</td>
<td>Room 515</td>
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<td>N. Cherny, J. Cleary, C. Goh, M. Maurer</td>
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<td>TS 06</td>
<td>NEURON-GLIAL SIGNALLING, GAP JUNCTIONS AND CONNEXIN PROTEINS – SPREADING PAIN AND MISERY</td>
<td>Room 518</td>
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<td>M. Hanani, A. King, L. Watkins</td>
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<td>TW 07</td>
<td>REGULATION OF ENDOCANNABINOID AND ENDOVANILLOID LEVELS FOR PAIN CONTROL</td>
<td>Room 519</td>
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<td>V. Di Marzo, A. Lichtman, I. Nagy</td>
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<td>TS 08</td>
<td>INTERVENTIONAL THERAPIES FOR BACK PAIN AND RADICULOPATHIES: EVIDENCE-BASED PRACTICE</td>
<td>Room 520</td>
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<td>E. Carragee, S. Cohen, B. Linderoth, J. van Zundert</td>
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<td>TS 09</td>
<td>FACES SHOWING PAIN: NEW INSIGHTS FROM NEUROSCIENTIFIC AND BIOBEHAVIORAL PERSPECTIVES</td>
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<td>M. Kunz, S. Lautenbacher, K. Prkachin, A. Williams</td>
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<td>TS 10</td>
<td>PREDICTORS OF CHRONIC POST-SURGICAL PAIN: AN INTERNATIONAL COMPARISON</td>
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<td>J. Bruce, M. Peters, E. VanDenKerkhof</td>
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<td>TW 11</td>
<td>IMPROVING HEALTH OUTCOMES BY REDUCING PAIN CATASTROPHIZING</td>
<td>Room 710 B</td>
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<td>C. Eccleston, F. Keefe, M. Sullivan</td>
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Monday, August 30, 2010

12:15-13:45  LUNCH BREAK  
(Food available for purchase in Hall 220, 7th Level Cafeteria, Palais concourse, local hotels & restaurants)

13:45-14:45  PLENARY SESSION  
*Hall 517*

**PL 02**  From Descending Pain Modulation to Obesity via the Medullary Raphe, Peggy Mason  
Award for Excellence in Developing Countries: Basic Science  
Jocelyn C. Que, Millicent Y. Tan-Ong, M. Minerva Patawaran - Callmag, Consuela Gonzalez - Suarez, Graciela G. Gonzaga

**PL 03**  Moving Differently in Pain: From Mechanisms to Rehabilitation, Paul W. Hodges

14:45-15:45  POSTER DISCUSSIONS (ODD-NUMBERED POSTERS)  
*Hall 220*

15:30-16:00  AFTERNOON BREAK  
*Hall 220*

16:00-17:30  TOPICAL SYMPOSIA AND WORKSHOPS

**TS 12**  MAKING CLINICAL TRIALS RELEVANT TO CLINICAL PRACTICE  
J. Desmeules, H. McQuay, A. Moore  
*Room 510*

**TW 13**  FOCAL THERAPY FOR NEUROPATHIC PAIN: AN UPDATE  
N. Attal, M. Backonja, R. Baron  
*Room 511*

**TW 14**  BEHAVIORAL ASSESSMENT OF PAIN IN ANIMAL MODELS: TRANSLATION OF CLINICAL OUTCOME DOMAINS  
A. Rice, R. Treede, R. Yezierski  
*Room 513 ABCD*

**TS 15**  THE PERCEPTION OF OTHERS' PAIN: THE UNDERLYING (NEURO) PSYCHOLOGICAL PROCESSES AND IMPLICATIONS FOR CAREGIVING  
A. Cano, L. Goubert, P. Jackson, K. Prkachin  
*Room 514*

**TW 16**  ARE ESTROGENS PRO-NOCICEPTIVE OR ANTI-NOCICEPTIVE?  
A. Aloisi, F. Cervero, R. Fillingim, S. Marchand  
*Room 515*

**TS 17**  PSYCHOPHYSIOLOGIC MECHANISMS AND TREATMENT OF INSOMNIA CO-OCCURRING WITH CHRONIC PAIN CONDITIONS  
G. Lavigne, M. Smith, N. Tang  
*Room 518*

**TW 18**  DEVELOPMENTAL IMPRINTING OF PAIN  
M. Fitzgerald, C. Hermann, M. Koltzenburg  
*Room 519*

**TS 19**  CRITICAL USE OF PAIN SCALES: VALIDITY, SENSITIVITY, AND INDIVIDUAL DIFFERENCES IN PAIN SCALING  
R. Jamison, C. Nielsen, D. Price, R. Staud  
*Room 520*

**TW 20**  TRPV1 ANTAGONISTS FOR ANALGESIA: TRANSLATION FROM ANIMALS TO HUMANS  
A. Dray, N. Gavva, M. Moran, M. Segerdahl, Y. Shir  
*Room 710 A*

**TW 21**  DEVELOPING AN INTERPROFESSIONAL PAIN MANAGEMENT ‘BEST PRACTICE’ PLAN FOR PAIN AFTER SPINAL CORD INJURY: TRANSLATING THE EVIDENCE  
R. Defrin, J. Hunter, E. Widerstrom-Noga  
*Room 710 B*

18:15-19:45  COMPANY-SPONSORED ASSOCIATED SYMPOSIA

**Eli Lilly and Company**  
Living with Pain: Redefining the Goals  
*Room 710 A*

**MERCK**  
Breakthrough Research Involving the Neuropathic Components of Osteoarthritis (OA) Pain  
*Room 518*

**Pfizer, Inc.**  
What is Chronic Pain? Different Perspectives!  
*Room 511*

**Purdue Pharma L.P.**  
Practical Applications to Support Responsible Treatment of Chronic Pain with Opioids  
*Room 516*
Monday Poster Session

All posters are displayed in Hall 220 between 08:15 and 17:30. Even-numbered posters will present between 09:30 and 10:30. Odd-numbered posters will present between 14:45 and 15:45.

PM 001 ADEQUATE PREOPERATIVE INFORMATION IMPROVES THE QUALITY OF POSTOPERATIVE ANALGESIA AND PATIENT SATISFACTION

Q. A. Siddiqui, J. Porter, Anaesthesics, Guy’s and St. Thomas’ Hosp., London, United Kingdom

PM 002 POSTOPERATIVE PAIN: A COMPARISON OF THE INCIDENCE AND SEVERITY OF PAIN FOLLOWING SURGERY ON DIFFERENT BODY SITES

F. Faponle, Dept. of Anaesthesia, Obafemi Awolowo Univ., Ile-Ife, Nigeria

PM 003 A PROSPECTIVE CLINICAL AUDIT INTO PAIN MANAGEMENT IN A LARGE BRITISH TEACHING HOSPITAL

O. J. Mitchell, C. Love, Univ. of Nottingham, Nottingham, United Kingdom, Queen’s Med. Ctr., Nottingham, United Kingdom

PM 004 A FIRST STEP IN DEVELOPING A QUANTITATIVE NON-VERBAL PAIN ASSESSMENT TOOL: LANGUAGE DERIVATION AND DEFINITION OPERATIONALIZATION THROUGH CONCEPT ANALYSIS


PM 005 PEDIATRIC NURSES’ USE OF THE FLACC BEHAVIORAL PAIN SCALE IN DAILY PRACTICE


PM 006 NURSING INTERVENTIONS AFTER DETERMINING PAIN IN NURSING HOME RESIDENTS WITH DEMENTIA

S. M. Zwakhalen, C. E. van ’t Hof, J. P. Hamers, CAPHRI, Maastricht Univ., Maastricht, Netherlands

PM 007 IMPACT OF THE IMPLEMENTATION OF THE CPOT ON PAIN MANAGEMENT AND CLINICAL OUTCOMES IN VENTILATED TRAUMA ICU PATIENTS


PM 008 MIDAS QUESTIONNAIRE IN A GREEK SAMPLE OF HEADACHE PATIENTS: ASPECTS OF RELIABILITY AND SENSITIVITY

G. Georgoudis, G. Papathanasiou, P. Spirdoucos, C. Panagopoulou, A. Parasxou, Dept. of Physiotherapy, ATEI Athens, Athens, Greece, Graduates of Dept. of Physiotherapy, ATEI Athens, Athens, Greece

PM 009 ACTIGRAPHY-BASED ASSESSMENT OF THE FUNCTIONAL IMPACT OF CHRONIC PAIN


PM 010 EFFICACY OF INTERFERENTIAL THERAPY ON MUSCULOSKELETAL PAIN: A SYSTEMATIC REVIEW

A. Beattie, L. Chipchase, T. Souvis, A. Rayner, Physiotherapy, Univ. of Queensland, Brisbane, Australia, Sch. of Mathematics and Physics, Univ. of Queensland, Brisbane, Australia

PM 011 SURVEY OF THE OUTCOME OF INTERVENTIONAL PAIN TREATMENT: A 500 DAY REVIEW

C. Broadbridge, P. J. Cole, D. Aldington, Oxford Pain Relief Unit, Churchill Hosp., Oxford, United Kingdom

PM 012 METHODOLOGICAL CHALLENGES IN MEASURING PAIN: WITH FOCUS ON INDIVIDUALS WITH MULTIPLE SCLEROSIS

S. Shahrbanian, N. E. Mayo, Sch. of Physical & Occupational Therapy, McGill Univ., Montréal, QC, Canada

PM 013 DO THE QUESTIONNAIRES RECOMMENDED BY THE INITIATIVE ON METHODS, MEASUREMENT AND PAIN ASSESSMENT IN CLINICAL TRIALS (IMPACT) REFLECT THE ICF FRAMEWORK AND EFFECTIVELY EVALUATE CHRONIC PAIN?

L. A. Singer, C. Morrello, L. Finch, N. Mayo, Div. of Clinical Epidemiology, McGill Univ., Montréal, QC, Canada

PM 014 COLLECTING DATA AS AN INSTRUMENT FOR INITIATING CHANGE IN MANAGEMENT OF POSTOPERATIVE PAIN IN THE GAZA STRIP


PM 015 THE RELATIONSHIP BETWEEN SELF-EFFICACY AND OBJECTIVELY-MEASURED FREE-LIVING PHYSICAL ACTIVITY IN PATIENTS WITH CHRONIC LOW BACK PAIN: A PILOT STUDY

D. Griffin, N. Kennedy, D. Hamori, Dept. of Physiotherapy, Univ. of Limerick, Limerick, Ireland, Dept. of Anaesthesia and Pain Med., Mid Western Regional Hosp., Limerick, Ireland

PM 016 PAIN-RELATED FEAR: A CRITICAL REVIEW OF THE RELATED MEASURES


PM 017 SEVEN YEARS OF OPIOIDS CONSUMPTION IN CANCER PATIENTS


PM 018 QUALITY OF RECOVERY PREDICTS PATIENT SATISFACTION WITH PAIN TREATMENT

T. Gao, A. Lee, S. K. Chan, A. S. Lau, C. Chiu, P. Chen, Dept. Anaesthesia and Intensive Care, Chinese Univ. of Hong Kong, Shatin, Hong Kong

PM 019 THORACIC CSF FISTULA SECONDARY TO SPONTANEOUS DURAL PERFORATION BY THE CONGENITAL OSTEOPHYTE RESULTING IN LOW PRESSURE HEADACHES

M. Ivanov, C. Ivanov, Neurosurgery, Univ. Hosp., IASI-1, Romania, Med. Bioengineering, Univ. of Medicine and Pharmacy “Gr.T.Popa”, IASI, Romania

PM 020 PAIN SCORES OF OROFACIAL PAIN OF ODONTOGENIC ORIGIN AT UCH IBADAN

B. M. Kolade, S. O. Gbadelo, B. F. Adeniyi, J. O. Lawoyin, T. S. Akinyiola, Oral Pathology, Univ. of Ibadan, Ibadan, Nigeria, Restorative Dentistry, Univ. of Ibadan, Ibadan, Nigeria, Hematology, Univ. of Ibadan, Ibadan, Nigeria

Monday, August 30, 2010
PM 021 EMERGENCY DEPARTMENT CORTISOL LEVEL PREDICTS POST-TRAUMATIC STRESS DISORDER SYMPTOMS BUT NOT NECK PAIN 1 MONTH AFTER MVC W. Hailawi1, S. Mclean1, T. Platt-Mills2, V. Lee3, E. Zaleski1, R. Swor1, M. Sochor1, I. Libezon1, D. Clauw1, 1Anesthesiology, Univ. of North Carolina Chapel Hill, Chapel Hill, NC, USA, 2Emergency Med., Univ. of North Carolina Chapel Hill, Chapel Hill, NC, USA, 3Emergency Med., Univ. of Michigan-Ann Arbor, Ann arbor, MI, USA, 4Emergency Med., Beaumont Hosp., Royal Oak, MI, USA, 6Emergency Med., Univ. of Virginia, Charlottesville, VA, USA, 2Psychiatry, Univ. of Michigan-Ann Arbor, Chapel Hill, MI, USA, 8Rheumatology, Univ. of Michigan-Ann Arbor, Ann arbor, MI, USA

PM 022 A COMPARISON STUDY OF QUALITY OF LIFE WITH MYOFASCIAL PAIN SYNDROME AND HEALTHY PEOPLE B. Avirmed1, B. Shimen, N. Tomorbaatar, Rehabilitation Medicine, Hlth. Sci. Univ. of Mongolia, Ulaanbaatar, Mongolia

PM 023 PAINFUL OR PAINLESS LOWER LIMB DYSESTHESIAS IN ELDERLY: EXPRESSION OF SMALL FIBER PERIPHERAL NEUROPATHY (SFN) M. G. Minassian1, D. Baron1, F. Marchand1, I. Franco1, 1Pain clinic, CHU de Brest, Brest, France, 2Lannion Gen. Hosp., Lannion, France, 3Bron Gen. Hosp., Bron, France

PM 024 PAIN AND EDUCATIONAL CENTRE IN A PUBLIC HOSPITAL IN BUENOS AIRES, ARGENTINA N. E. Rosenfeld1,2, M. V. Da Cunha1,2, 1Epidemiology & Publ. Hlth., Yale Univ., New Haven, CT, USA, 2Schachtel Res. Company, Jupiter, FL, USA, 3Mc Cormick Consultation LLC, Bethesda, MD, USA, 4Biostatistics, Schachtel Res. Company, Jupiter, FL, USA

PM 025 CRPS-LIKE OROFACIAL PAIN FOLLOWING TRIGEMINAL NERVE TRAUMA G. M. Heid, D. Thomas, Diagnostic Sci., Div. of Orofacial Pain, UMDNJ-NJDS, Newark, NJ, USA


PM 027 WAVELET ANALYSIS OF EC SIGNAL POTENTIAL FLUCTUATIONS IS EFFECTIVE FOR QUANTITATIVE AND CONTINUOUS PAIN MONITORING IN HEALTHY VOLUNTEERS AND CANCER INPATIENTS K. Yamamoto1, S. Nagata1, K. Kasugai2, 1Sch. of Med., Coll. of Nursing, Yokohama City Univ., Yokohama, Japan, 2R&D and Manufacturing Group, Radiarc Operation, Dainippon Sumitomo Pharma Co., Ltd., Osaka, Japan, 3Sch. of Med., Aichi Med. Univ., Nagoya, Japan

PM 028 DISCREPANCY IN CONGRUENCE BETWEEN HAEMATOLOGICAL CANCER PATIENTS’ AND HEALTH CARE PROFESSIONALS’ RATINGS OF PATIENTS’ PAIN AND ANXIETY DURING BONE MARROW ASPIRATION E. Costa1, M. F. Rodrigues1, J. C. Magalhaes2, C. M. Pires3, 1Craniofacial Pain and Symptoms from the Masticatory System in Patients of the Unicastele Craniofacial Pain Center, Brazil, 2Oral surgery, Univ. Camilo Castelo Branco, Sao Paulo, Brazil, 3Sch. of Dentistry-Oral Radiology, Univ. of Sao Paulo, Sao Paulo, Brazil

PM 029 INCIDENCE OF TARSAL TUNNEL SYNDROME IN A DIABETIC POPULATION: REDEFINING TOPOGRAPHIC AND ELECTROPHYSIOLOGICAL CORRELATES R. P. Sequa, M.D., Chicago Peripheral Nerve Ctr., Chicago, IL, USA


PM 031 A SYSTEMATIC REVIEW OF NONRESPONSE TO TREATMENT FOR OSTEARTHROPATHIS PAIN: RATES AND DEFINITIONS S. D. Taylor1, D. Watson1, P. Pelosi1, M. Stauffer1, A. Morrison1, 1Global Hlth. Outcomes, Merck & Co., Inc., Whitehouse Station, NJ, USA, 2MRL Epidemiology, Merck & Co., Inc., 3Whitehouse Station, NJ, USA, 4Merck Res. Lab., Merck & Co., Inc., Whitehouse Station, NJ, USA, 5Scribco, Blue Bell, PA, USA

PM 032 EFFICACY OF DULOXETINE IN PATIENTS WITH CHRONIC PAIN CONDITIONS V. Skljarevski, S. Zhang, S. Iyengar, D. O’Souza, K. Alaka, A. Chappell, J. Wernicke, Lilly Res. Lab., Eli Lilly and Company, Indianapolis, IN, USA

PM 033 HOW IS NEUROPATHIC PAIN CLASSIFIED IN RANDOMIZED CONTROLLED TRIALS: A SYSTEMATIC REVIEW A. Ulrich1, G. P. Kurtitz1, T. S. Jensen1, M. Werner1, P. Sjagren1, 1Pain Clinic, Vejle County Hosp., Vejle, Denmark, 2Section of Acute Pain Management and Palliative Med. and Multidisciplinary Pain Ctr., Rigshospitalet-Copenhagen Univ. Hosp., Copenhagen, Denmark, 3Sch. of Nursing, Univ. of Sao Paulo, Sao Paulo, Brazil, 4Pain Res. Ctr, Aarhus Univ. Hosp., Aarhus, Denmark, 5Multidisciplinary Pain Ctr., Rigshospitalet-Copenhagen Univ. Hosp., Copenhagen, Denmark, 6Section of Acute Pain Management and Palliative Med., Rigshospitalet-Copenhagen Univ. Hosp., Copenhagen, Denmark

PM 034 PREDICTING AND MEASURING LONG-TERM DISABILITY IN GENERAL PRACTITIONER WHILASH PATIENTS: A SIMPLE APPROACH P. Georgiou1, C. P. Gable2, 1Pain Management Clinic Selangor, Nambour, Australia, 2Univ. of the Sunshine Coast, Coolum Beach, Australia

PM 035 PATIENT-REPORTED OUTCOMES (PROS) IN THE PHARYNGITIS PAIN MODEL B. P. Schachtel1,2, C. G. McCormick1, E. G. Gieler1, 1Epidemiology & Publ. Hlth., Yale Univ., New Haven, CT, USA, 2Schachtel Res. Company, Jupiter, FL, USA, 3McCormick Consultation LLC, Bethesda, MD, USA, 4Biostatistics, Schachtel Res. Company, Jupiter, FL, USA

PM 036 PAIN ANALYSIS IN THE SARAJEVO COMMUNITY PUBLIC INSTITUTION FOR SOCIAL AND HEALTH CARE A. Amira1, K. Miladinovic2, S. S. Marić3, 1Pain Dept., Hope87 Pain Ctr., Sarajevo, Bosnia and Herzegovina, 2Physical Dept., Univ. Clinical Ctr. of Sarajevo, Sarajevo, Bosnia and Herzegovina, 3Anesthesiology Dept., Univ. Clinic, Foia, Bosnia and Herzegovina

PM 037 PHOTOELICITATION AS A TECHNIQUE FOR EXPLORING CHRONIC PAIN O. Hughes1,2, F. Rapport1, M. A. Doel3, J. Y. Rance1, 1Pain and Fatigue Management Ctr., Powys Teaching Hlth. Board, Brecon, United Kingdom, 2Sch. of Med., Swansea Univ., Swansea, United Kingdom, 3Sch. of Geography, Swansea Univ., Swansea, United Kingdom

PM 038 THE PREVALENCE OF VITAMIN D DEFICIENCY IN PRIMARY CARE HEALTH CARE PATIENTS IN DENMARK D. Dun1, P. Schwarz2, H. L. Jorgensen1, A. Heegaard3, B. Lind1, 1Inst. of Pharmacology and Pharmacotherapy, Faculty of Pharmaceutical Sci., Copenhagen, Denmark, 2Dept. of Med., Glostrup Hosp., Copenhagen, Denmark, 3Dept. of Clinical Biochemistry, Bispebjerg Hosp., Copenhagen, Denmark, 4Gen. Practitioners Lab., Copenhagen, Denmark

PM 039 ALTERED THERMAL HEAT SENSATION BUT NOT PAIN IN MILD BRAIN INJURY PATIENTS: PRELIMINARY REPORT ON PRE- AND POST-SLEEP QUANTITATIVE ASSESSMENTS S. Khoun1,2, I. Roy1, N. Huyhil1, R. Denis1, J. Giguere1,2, G. A. Rouleau1,4, G. J. Lavigne3,5, G. A. Rouleau1,2, 1Medicine, Univ. de Montréal, Montréal, QC, Canada, 2Traumatology, Hôpital du Sacré-Coeur de Montréal, Montréal, QC, Canada, 3Médecine dentaire, Univ. de Montréal, Montréal, QC, Canada, 4Ctr. of Excellence in Neuromics, Univ. de Montréal, Montréal, QC, Canada, 5Traumatology, Sacré-Coeur Hosp., Montréal, QC, Canada

PM 040 STUDY OF THE RELATIONSHIP OF BRUXISM WITH CRANIOFACIAL PAIN AND SYMPTOMS FROM THE MASTICATORY SYSTEM IN PATIENTS OF THE UNICASTELO CRANIOFACIAL PAIN CENTER, BRAZIL E. Costa1, M. F. Rodrigues1, J. C. Magalhaes1, C. M. Nascimento1, C. Costa1, M. A. Pazos y Garcia1,2, G. T. Zaffalon2, 1Craniofacial Center, Brasileiro de Odontologia, Niterói, Brazil, 2Sch. of Dentistry-Oral Radiology, Univ. of Sao Paulo, Sao Paulo, Brazil

PM 041 ROLE OF SELF-REPORTED PAIN IN PATIENTS WITH EPILEPSY H. S. Muradyan, Neuromuscular and Pain Syndromes Clinic, Center for Neurology and Sleep Med., Yerevan, Armenia
PM 062 PATIENT BELIEFS REGARDING PAIN MEDICATION AND LIKELIHOOD OF ADDICTION PRIOR TO CARDIAC SURGERY: A. Quinnette1, G. Vargass-Schaffer2, Z. Yegni1, A. Deschamps3, J. Cogan4, 1Nursing, Montréal Heart Inst., Montréal, QC, Canada, 2Anesthesia, Pain Ctr. of Hôpital-Dieu du CHUM, Montréal, QC, Canada, 3Anesthesia, Montréal Heart Inst., Montréal, QC, Canada

PM 063 CHARACTERISTICS OF PATIENTS PRESCRIBED OPIOID VERSUS NON-OPIOID MEDICATION: PRELIMINARY OBSERVATIONS FROM A COMPREHENSIVE PATIENT REGISTRY: A. Cahan1, B. R. Theodore1, H. D. Wilson1, S. A. Stoner1, J. Robinson3, D. C. Turk1, 1Dept. of Anesthesiology & Pain Med., Univ. of Washington, Seattle, WA, USA, 2Taliair, Inc, Seattle, WA, USA, 3Dept. of Rehabilitation Med., Univ. of Washington, Seattle, WA, USA

PM 064 FIBROMYALGIA AND WORKING MEMORY: NEUROPSYCHOLOGICAL FINDINGS: M. Fernández, P. Barjola, V. Fresno, F. Mercado, Psychology, Rey Juan Carlos Univ., Madrid, Spain

PM 065 PAIN EXPERIENCES IN HEAD AND NECK CANCER PATIENTS RECEIVED NECK DISSECTION IN TAIWAN: P. Hsieh1,2, Y. Lai1,2, Y. Lee1,2, Y. Fang1,2, Y. Chen1,2, C. Lin1,2, P. Lou1,4, 1Natl. Taiwan Univ., Taiwan, Taiwan, 2Nursing, Coll. of Med., Taipei, Taiwan, 3Coll. of Med., Taipei, Taiwan, 4Otolaryngology, Coll. of Med., Taipei, Taiwan

PM 066 CONGRUITY OF CURE CANCER PAIN PERCEPTION BETWEEN BRAZILIAN PATIENTS WITH ADVANCED DISEASE AND THEIR CAREGIVERS: A. F. Borba Jr1, A. DelGiglio2, A. A. Andrade1, J. S. Garcia1, 1Oncolgy, Inst. Maranhense of Oncologia, Sao Luis-MA, Brazil, 2Oncology, ABC Med. Faculty, Santo Andre-SP, Brazil, 3Anesthesiology and Pain, Federal Univ. of Maranhao, Sao Luis-MA, Brazil


PM 070 SOMATOSENSORY EVALUATION AMONG PERSONS WITH OR AT HIGH RISK OF KNEE OSTEOARTHRITIS: THE MOST STUDY: T. Neogi1, L. Frey-Law2, A. L. Bradley3, D. T. Felson1, J. Niu1, L. Arendt-Nielsen2, J. S. Lewis1,2, P. Schweinhardt1, 1Alan Edwards Ctr. for Res. on Pain, McGill Univ., Montréal, QC, Canada, 2The Royal Natl. Hosp. for Rheumatic Diseases NHS Trust, Bath, United Kingdom

PM 071 PAINFUL KNEE OSTEOARTHRITIS IS ASSOCIATED WITH SENSITIZATION AND FACILITATED TEMPORAL SUMMATION OF PAIN: H. Nie1, L. Arendt-Nielsen1, M. B. Laursen1, S. B. Laursen1, P. Madeleine1, Q. H. Simonson1, T. Graven-Nielsen2, 1Dept. of Hth. Sci. and Technology, Ctr. for Sensory-Motor Interaction, Aalborg, Denmark, 2Aalborg Hosp., Northern Orthopaedic Div., Aalborg, Denmark, 3Aalborg Hosp., Clinical Nursing Res. Unit, Aalborg, Denmark

PM 072 EUROPEAN SURVEY OF BREAKTHROUGH CANCER PAIN (BTCP): PHASE 1: A. N. Davies1, J. Zoppeltella, K. Sjolund1, M. Stenberg1, F. Nauck1, L. Radbruch1, S. Andersson1, A. Dammke1, T. Veilgaard1, A. Buchanani1, 1Royal Marsden NHS Fndn, Trust, Sutton, United Kingdom, 2St. Clare Hospice, Hastingswood, United Kingdom, 3Karolinska Hosp., Stockholm, Sweden, 4Univ. Hosp. Lund, Lund, Sweden, 5Univ. of Gottingen, Gottingen, Germany, 6Univ. of Aachen, Aachen, Germany, 7Roskilde Hosp., Roskilde, Denmark, 8Univ. Hosp. Odense, Odense, Denmark, 9Sankt Maria Hospice, Vejle, Denmark

PM 073 A COMPARATIVE STUDY OF KETAMINE, DICLOFENAC (DISPERISABLE) AND LIGNOCaine MOUTHWASH FOR PAIN RELIEF IN RADIATION-INDUCED MUCOSITIS: G. Joshi1, P. Taneja, B. Patel, B. M. Patel2, Anesthesiology, Gujarat Cancer & Res. Inst., Ahmedabad, India

PM 074 SOMATOSENSORY FINDINGS IN CRPS AND PERIPHERAL NERVE INJURY: RESULTS OF A GERMAN MULTICENTER STUDY WITH 416 PATIENTS: J. Gierthmühlen1, C. Mairer1, R. Baron1, T. Tölle1, R. Treede2, V. Hugel1, M. Lauchart1, C. Malßhorner1, E. Krumova1, H. Richter1, 1Dept. of Neurology, Div. of Neurological Pain Res. and Therapy, Univ. Hosp. of Kiel, Kiel, Germany, 2Dept. of Neuroradiology, Univ. Hosp. of Kiel, Kiel, Germany, 3Dept. of Pain Management, BG Universitätsklinikum Bergmannsheim, Bochum, Germany, 4Dept. of Neurology, Klinikum rechts der Isar, Technische Univ. München, Munich, Munich, Germany, 5Div. of Neurophysiology, Ctr. of Biomedicine and Med. Technology Mannheim (CBTM), Med. Faculty Mannheim, Mannheim, Germany, 6Dept. of Anaesthesiology, Ludwig-Maximilians-Univ. München, Munich, Munich, Germany, 7Dept. of Neurology, Univ. of Erlangen-Nuremberg, Erlangen, Germany

PM 075 DIFFERENT CLINICAL PHENOTYPES IN COMPLEX REGIONAL PAIN SYNDROME (CRPS) MAY REFLECT THE DEGREE OF CORTICAL REORGANISATION: A SENSORIMOTOR STUDY: H. Cohen1,2, N. Harms1,2, C. McCabe1,3, D. Blake1,3, 1Rheumatology, Royal Natl. Hosp. for Rheumatic Diseases, Bath, United Kingdom, 2Univ. of Bath, Bath, United Kingdom

PM 076 INFLATED LIMBS, A PERCEPTION OR REALITY? IMPAIRED TACTILE ACUITY AND DISPARITIES BETWEEN ACTUAL AND PERCEIVED SIZE OF THE AFFECTED LIMB IN COMPLEX REGIONAL PAIN SYNDROME (CRPS): J. Durr1, A. J. Emerson-Kavchak1, E. O. Witte1, M. J. Santos2, 1Physical Therapy, Univ. of Illinois at Chicago, Chicago, IL, USA, 2Physical Therapy, Univ. Federal de Santa Catarina, Florianópolis, Brazil

PM 077 CHRONIC PELVIC PAIN FOLLOWING LUMBAR DISC SURGERY, CASE PRESENTATION: R. Alexandrescu, 416 PATIENTS

PM 078 HEIGHTENED FLEXOR WITHDRAWAL RESPONSES FOLLOWING ANTERIOR CRUCIATE LIGAMENT RUPTURE ARE ENHANCED BY PASSIVE TIBIAL TRANSLATION: C. A. Courtney1, R. K. Dur1, A. J. Emerson-Kavchak1, E. O. Witte1, M. J. Santos2, 1Physical Therapy, Univ. of Illinois at Chicago, Chicago, IL, USA, 2Physical Therapy, Univ. Federal de Santa Catarina, Florianópolis, Brazil

PM 079 HEALTH-RELATED QUALITY OF LIFE AND DEMOGRAPHIC CHARACTERISTICS AMONG PATIENTS SUFFERING NON-MALIGNANT CHRONIC PAIN: N. Shams-Hossaini1, S. Jamieie2, M. Sharifi3, 1Dept. of Anatomy, Iran Univ. of Med. Sci., Neurosci. Lab, Cellular and Molecular Res. Ctr., Tehran, Iran, Islamic Republic of, 2Iranian Pain Society, Central Office, Tehran, Iran, Islamic Republic of

PM 080 SEROTONIN RECEPTOR 2A (HTR2A) POLYMORPHISMS ARE ASSOCIATED WITH THE EXTENT OF MUSCULOSKELETAL PAIN IN THE POPULATION: K. L. HolliDay1, B. I. Nicholl1, G. J. Macfarlane1, W. Thomson1, K. A. Davies1, F. C. Wu1, I. T. Huhtaniemi1, J.McBeth2, 1ARC Epidemiology Unit, Univ. of Manchester, Manchester, United Kingdom, 2Aberdeen Pain Res. Collaboration (Epidemiology Group), Univ. of Aberdeen, Aberdeen, United Kingdom, 3Dept. of Endocrinology, Univ. of Manchester, Manchester, United Kingdom, 4Dept. of Reproductive Biology, Imperial Coll. London, London, United Kingdom

PM 081 PARASACRAL LIGAMENT-ENTHESAL INJECTIONS OF METHYLPRIDINSOLONE AND LIDOCAINE IN THE TREATMENT OF CHRONIC NONSPECIFIC LOW BACK PAIN (CNLBP) IN PRIMARY CARE: P. Todorov, Gen. Practice, 4th DKC, and Rheumatology Clinic, St George Univ. Hosp., Plovdiv, Bulgaria

PM 082 SUBACUTE AND CHRONIC LOW BACK PAIN DIFFERENTIALLY MODULATE THE PERCEIVED VALUE OF REWARD: E. L. Park1, A. T. Baria1, B. Petro1, A. V. Apkarian1, 1Physiology, Northwestern Univ., Chicago, IL, USA, 2Northwestern Univ., Chicago, IL, USA

PM 083 BACK EXTENSOR TEMPORAL-ACTIVATION PATTERNS DURING TRUNK FLEXION-EXTENSION: EFFECT OF ATTENTION, SEX AND PAIN SEVERITY IN LOW BACK PAIN (LBP) PATIENTS: H. B. Butler1, C. Larivière1, C. L. Hubley-Kozey1, M. J. Sullivan1, 1Physiotherapy, Dalhousie Univ., Halifax, NS, Canada, 2Occupational Hth. and Safety Res. Inst. Robert-Sauvé (IRSSST), Montréal, QC, Canada, 3Psychology, McGill Univ., Montréal, QC, Canada
PM 109 SUBCORTICAL BRAIN CHANGES IN RHEUMATOID ARTHRITIS
K. Wartolowsk1, M. G. Hough1, P. Wordsworth2, I. Tracey3, FRMIRB, Oxford, United Kingdom, 1NDORMS, Oxford, United Kingdom

PM 110 COGNITIVE DISFUNCTION IN OPIOID TREATED CANCER PATIENTS: PREVALENCE AND PREDICTORS G. P. Kunita1,2, P. Siagren1, O. Ekholm1, S. Kaasa4, J. H. Loge5, I. Povilioniene6, P. Klepsstad1,10, Section of Acute Pain Management and Palliative Med. and Multidisciplinary Pain Ctr., RigsHospital-Copenhagen Univ. Hosp., Copenhagen, Denmark, 2Sch. of Nursing, Univ. of Sao Paulo, Sao Paulo, Brazil, 3Section of Acute Pain Management and Palliative Med., RigsHospital-Copenhagen Univ. Hosp., Copenhagen, Denmark, 4Natl. Inst. of Publ. Hlth., Univ. of Southern Denmark, Copenhagen, Denmark, 5Palliative Med. Unit, Univ. of Trondheim, Trondheim, Norway, 6Nat. Resource Ctr. for Late Effects after Cancer; Oslo Univ. Hosp., Oslo, Norway, 7Dept. of Behavioural Sci. in Med., Univ. of Oslo, Oslo, Norway, 8Inst. of Oncology, Vilnius Univ., Vilnius, Lithuania, 9St Olavs Univ. Hosp., Trondheim, Norway, 10Dept. Circulation and Med. Imaging, Norwegian Univ. of Sci. and Technology, Trondheim, Norway

PM 111 ACUTE CORONARY SYNDROME PAIN AND ANXIETY: PATIENT AND CLINICIAN PERSPECTIVES S. O'Keefe-McCarthy1, M. McGillion1, S. Nelson2, S. Clarke1, S. Rizza1, J. McFetridge-Durdle1, Lawrence S. Bloomberg, Faculty of Nursing, Univ. of Toronto, Toronto, ON, Canada, 2Sch. of Nursing, Mem. Univ., St. John's, NL, Canada


PM 113 NEONATAL PAIN PREDICTS OVERALL IQ AT AGE 7.5 YEARS IN CHILDREN BORN VERY PRETERM J. Vinal1, R. E. Grunau2,1, S. P. Miller3,1, A. R. Synnes2,14, M. F. Whithfield1,2, 1Child & Family Res. Inst., Vancouver, BC, Canada, 2Pediatrics, Univ. of British Columbia, Vancouver, BC, Canada

PM 114 THE BEHAVIORAL AND SALIVARY CORTISOL RESPONSES OF MOTHERS WITH PRENATAL DEPRESSION DURIND THEIR INFANT'S PAIN F. Warnock1,2, T. Castra3, P. Zimeras1, 1Nursing, Univ. of California San Francisco, San Francisco, CA, USA, 2Sch. of Nursing, Univ. of Pennsylvania, Philadelphia, PA, USA, 3Univ. of Vermont, Burlington, VT, USA

PM 115 PREVALENCE OF ACUTE PAIN IN SCHOOL AGE CHILDREN 7 TO 11 YEARS M. C. Kamel1, A. Contreras, Pediatrics, Dr. Miguel Perez Carreño Hosp., Caracas, Venezuela, Bolivarian Republic of Venezuela

PM 116 PAIN IN CHILDREN WITH CEREBRAL PALSY L. S. Franck1, V. Edwards2, K. Wyatt1, A. Maddick2, S. Logan1, 1Inst. of Child Hlth., Univ. Coll. London, London, United Kingdom, 2Institute of Child Health, London, United Kingdom, 3Peninsula Coll. of Med. and Dentistry, Univ. of Exeter, Exeter, United Kingdom, 4Inst. for Paediatric Osteopathy, London, United Kingdom, 5Inst. of Child Hlth., Univ. of Exeter, London, United Kingdom

PM 117 PAIN PREVALENCE AND MANAGEMENT IN RESIDENTIAL AGED-CARE FACILITIES IN JAPAN Y. Takai1, N. Yamamoto-Mitani, S. Kobayashi, H. Fukahori, Graduate Sch. of Hlth. Care Sci., Tokyo Med. and Dental Univ., Bunkyo-ku, Japan


PM 119 RISK FACTORS OF PREGNANCY-RELATED LUMBOPELVIC PAIN: A BIOPSYCHOSOCIAL APPROACH H. Chang1, P. J. Jensen1, Y. Yang1, C. Lee2, Y. Lai2, 1Dept. of Nursing, Natl. Taiwan Univ., Taipei, Taiwan, 2Dept. of Rehabilitation Med., Univ. of Washington Sch. of Med., Seattle, WA, USA, 3Dept. of Obstetric & Gynecology, Natl. Taiwan Univ. Hosp., Taipei, Taiwan


PM 121 WOMEN WITH DYSMENORRHOEA DEMONSTRATE MANY FEATURES OF CHRONIC PAIN CONDITIONS WHILST MAINTAINING A HEALTHY PSYCHOPHYSIOLOGICAL PROFILE K. Vincent1, J. Moore2, S. Kennedy1, I. Tracey3, FRMIRB, Oxford, Oxford, United Kingdom, 1Nuffield Dept. of Obstetrics and Gynaecology, Univ. of Oxford, Oxford, United Kingdom

PM 122 SEXUALITY: A COMPARATIVE STUDY BETWEEN BRAZILIAN WOMEN WITH CHRONIC PAIN AND CONTROLS T. M. Zakka, Neurology, Physical Med. Div., Orthopedics Dept., Univ. of Sao Paulo, Sch. of Med., Sao Paulo, Brazil

PM 123 THE ROLE OF AGE IN TMD: A CASE-CONTROL STUDY V. E. Miller, G. D. Slade, L. Diatchenko, W. Maixner, Ctr. for Neurosensory Disorders, Univ. of North Carolina, Chapel Hill, NC, USA

PM 124 INTRA-ORAL MECHANICAL TEMPORAL SUMMATION AS TEST-STIMULUS IN C

PM 125 IMPROVING PAIN ASSESSMENT AND MANAGEMENT IN NURSING HOMES (NH): A NATIONAL COLLABORATIVE E. Harr1, D. Bakerjian2, M. Erosh1, K. Miller2, K. Swafford3, P. Tsa4, S. S. Prevost5, 1Coll. of Nursing, The Univ. of Iowa, Iowa City, IA, USA, 2Sch. of Nursing, Univ. of California San Francisco, San Francisco, CA, USA, 3Sch. of Nursing, Univ. of Pennsylvania, Philadelphia, PA, USA, 4Sch. of Nursing, Oregon Hlth. & Sci. Univ., Portland, OR, USA, 5Sch. of Nursing, Univ. of Arkansas for Med. Sci., Little Rock, AR, USA, 6Coll. of Nursing, Univ. of Kentucky, Lexington, KY, USA

PM 126 PHYSICIAN TO PHYSICIAN TELEPHONE CONSULTATION FOR CHRONIC PAIN PATIENTS B. A. Taenzer1,2, T. C. Braun2,3, A. J. Clark3, N. Khan1, D. Yamitsky4, E. Elav4,1, Diagnostic Sci., Univ. of Med. and Dentistry of New Jersey, Newark, NJ, USA, 2Dept. of Neurology, Rambam Med. Ctr., Haifa, Israel

PM 127 RECOMMENDATIONS FROM THE STRATEGIC PLANNING SUMMIT FOR PAIN AND PALLIATIVE CARE PHARMACISTS C. M. Hendmon1, M. L. McPherson2, S. Strassels3, R. Finley4, S. Nesi5, L. Kraft1, J. StickenLtd, E. Dole5,1, D. Craig5, R. Grauer1, N. Naziano1, D. Nee6,1, Pharmacy Practice, Southern Illinois Univ. Edwardsville, Edwardsville, IL, USA, 2Pharmacy Practice, Univ. of Maryland Coll. of Pharmacy, Baltimore, MD, USA, 3Pharmacy Practice, Univ. of Texas Austin, Austin, TX, USA, 4Pharmacy Practice, Thomas Jefferson Univ. Coll. of Pharmacy, Philadelphia, PA, USA, 5Johns Hopkins, Bel Air, MD, USA, 6Pain Med., Univ. of Iowa Hosp. and Clinics, Iowa City, IA, USA, 7Lakeland Regional Med. Ctr., Lakeland, FL, USA, 8ABQ Hlth. Partners, Albuquerque, NM, USA, 9Family Med., Southern Illinois Hlth. Care Fndn., Belleville, IL, USA, 10Lee Moffit Cancer Ctr., Tampa, FL, USA, 11Pharmacy Practice, Ohio State Univ. Coll. of Pharmacy, Plain City, OH, USA, 12Pharmacy Practice, Veteran's Affairs Med. Ctr., West Palm Beach, Royal Palm, FL, USA, 13Optimed, San Diego, CA, USA

PM 128 DESIGNING A RESOURCE FOR PAIN EDUCATION IN ENQUIRY-BASED HEALTH PROFESSIONAL TRAINING L. E. Jones, Sch. of Physiotherapy, La Trobe Univ., Bundoora, Australia

PM 129 EMOTIONAL DEVELOPMENT IN THE CONTEXT OF PAIN AND THE HUMANITIES K. Herr1, D. E. Jones, Sch. of Nursing, The Univ. of Iowa, Iowa City, IA, USA, 2Sch. of Nursing, Univ. of Arkansas for Med. Sci., Little Rock, AR, USA, 3Pharmacy Practice, Southern Illinois Univ. Edwardsville, Edwardsville, IL, USA, 4Pharmacy Practice, Thomas Jefferson Univ. Coll. of Pharmacy, Philadelphia, PA, USA, 5Johns Hopkins, Bel Air, MD, USA, 6Pain Med., Univ. of Iowa Hosp. and Clinics, Iowa City, IA, USA, 7Lakeland Regional Med. Ctr., Lakeland, FL, USA, 8ABQ Hlth. Partners, Albuquerque, NM, USA, 9Family Med., Southern Illinois Hlth. Care Fndn., Belleville, IL, USA, 10Lee Moffit Cancer Ctr., Tampa, FL, USA, 11Pharmacy Practice, Ohio State Univ. Coll. of Pharmacy, Plain City, OH, USA, 12Pharmacy Practice, Veteran's Affairs Med. Ctr., West Palm Beach, Royal Palm, FL, USA, 13Optimed, San Diego, CA, USA

PM 130 BARRIERS AND AVAILABILITY OF OPIOIDS: THE PATIENT'S PERSPECTIVE
S. Florez, M. Leon, L. Rubiano, C. Malagon, M. Gomez, G. Castellanos, A. Biker, M. Torres, Univ. de la Sabana, Bogotá, Colombia

PM 131 ATTITUDES AND KNOWLEDGE OF PHYSICIANS AND NURSES TOWARD CANCER PAIN MANAGEMENT IN KHON KAEN HOSPITAL P. Inphum, Div. of Anesthesiology, Khon Kaen Hosp., Khon Kaen, Thailand

PM 132 ADVANCE DIRECTIVES: A NEW LEGISLATION IN GERMANY C. Eichtstaedt1,2, W. Diemer1,2, A. Laske1,2, M. Wendt1,2, SANAH Hosp. Bergen/Rügen, Bergen, Germany. 1Dept. of Anesthesiology, Intensive and Palliative Care, Univ. Hosp. Greifswald, Greifswald, Germany. 2Cfr. for Palliative Care, Group of Protestant Hosp. Herne/Castrop-Rauxel, Herne, Germany

PM 133 A KNOWLEDGE TRANSFER PROJECT FOR FAMILIES WITH AN ADULT MEMBER SUFFERING FROM CHRONIC PAIN S. LeFort1,2, M. Ouyang1,2, M. Mata1,2, D. J. Fink1,2, 1Neurology, Univ. of Michigan Med. Sch., Ann Arbor, MI, USA, 2VA Ann Arbor Healthcare Systems, Ann Arbor, MI, USA

PM 134 THE DYNAMICS BETWEEN JOB SATISFACTION, VISUAL ANALOG PAIN SCALE (VAS), AND LOSS OF WORKER PRODUCTIVITY (LWP) IN NON-FATAL MOTOR VEHICLE ACCIDENTS (MVA) R. C. Krishna, M. Grinn, D. Tsipanova, A. Khurpe, S. Bleifer, Methodist Hosp., Brooklyn, NY, USA

PM 135 COMPARATIVE STUDY EVALUATING PATIENTS’ PERCEPTION OF PAIN IN THE UNITED STATES HOSPITALS A. Gupta, G. Bhatia, J. Mogja, Anesthesiology and Critical Care, Univ. of Pennsylvania, Philadelphia, PA, USA

PM 136 IMPROVING KNOWLEDGE, SKILLS AND ATTITUDES OF PAIN MEDICINE FELLOWS ABOUT MULTIDISCIPLINARY TEAMWORK: APPLICATION OF AN EDUCATIONAL MODEL D. M. Novy1, B. Hamid1, L. Hernandez2, 1Pain Med., Univ. of Texas MD Anderson Cancer Ctr., Houston, TX, USA, 2Biostatistics, Univ. of Texas Anderson Cancer Ctr., Houston, TX, USA

PM 137 UPRGRULATION OF MATRIX METALLOPROTEINASE-9 (MMP-9) IN PRIMARY SENSORY NEURONS AFTER MORPHINE WITHDRAWAL IMPAIRS ACUTE MORPHINE ANALGESIA VIA POSSIBLE NEURONAL-GLIAL INTERACTION T. Berta, Y. Liu, T. Liu, R. Ji, Anesthesiology, BWH and Harvard Med. Sch., Boston, MA, USA

PM 140 PLATELET-ACTIVATING FACTOR BIOSYNTHESIS IN SPINAL CORD CONTRIBUTES TO NEUROPATHIC PAIN FOLLOWING PERIPHERAL NERVE INJURY M. Okubo, H. Yamanaka, K. Kobayashi, K. Noguchi, Dept. Anatomy and Neurosci., Hyogo Coll. of Med., Nishinomiya, Hyogo, Japan

PM 141 DEFICIENT GLUTAMATE UPTAKE TURNS GLIAL CELLS TO FUNCTION LIKE EXCITATORY INTERNEURONS IN THE SPINAL DORSAL HORN H. Nie, H. Zhang, H. Weng, Anesthesiology and Pain Med., Univ. of Texas MD Anderson Cancer Ctr., Houston, TX, USA

PM 142 NEUREGULIN-1 MODULATES MULTIPLE ASPECTS OF MICRORNAL FUNCTION VIA MAPK/ERK1/2 AND PI3KINASE/ AKT SIGNALING PATHWAYS CONTRIBUTING TO DEVELOPMENT OF NEUROPATHIC PAIN M. Calvo Bascunan, N. Zhu, J. Grist, D. L. Bennett, 3Dept. of Clinical Res., Univ. of Bern, Bern, Switzerland

PM 143 CRITICAL ROLE FOR SPINAL IL-18/CASPASE-1 INTERACTION IN NEUROPATHIC PAIN DEVELOPMENT THROUGH ITS DISTINCT REGULATION OF INTERLEUKINS K. Miyoshi, K. Noguchi, Dept. of Anatomy & Neurosci., Hyogo Coll. of Med., Hyogo, Japan

PM 144 SEX-RELATED INFLUENCES ON PAIN SENSITIVITY AND INFLAMMATION IN INDIVIDUALS WITH TMJD M. C. Ribeiro-Dasilva1, S. M. Walléf, M. Wallace1, W. Houl, R. B. Filligim1, 1Community Dentistry and Behavioral Sci., Univ. of Florida, Gainesville, FL, USA, 2Periodontology, Univ. of Florida, Gainesville, FL, USA, 3MD-Molecular Genetics/ Microbio, Univ. of Florida, Gainesville, FL, USA, 4MD-Epidemiology/ Biostat-Gen, Univ. of Florida, Gainesville, FL, USA

PM 145 INCREASE IN CELL EXCITABILITY AFTER LONG-TERM INTERLEUKIN-1 BetA EXPOSURE IS LIMITED TO SPECIFIC SENSORY NEURON SUBPOPULATIONS: IMPLICATIONS FOR NEUROPATHIC PAIN P. Sterkowksi1, P. Smith, Cfr. for Neurosci., Univ. of Alberta, Edmonton, AB, Canada

PM 146 HSV VECTOR EXPRESSING THE SOLUBLE TNF RECEPTOR SUPPRESSES MORPHINE WITHDRAWAL SYMPTOM, TNFA AND P-CREB IN THE PAG S. Hao1, S. Lü2, X. Zheng1, H. Ouyang1,2, D. J. Fink1,2, 1Neurology, Univ. of Michigan Med. Sch., 3Anesthesiology, Univ. Med. Center, MI, USA, 4VA Ann Arbor Healthcare Systems, Ann Arbor, MI, USA

PM 147 EXPRESSION OF C/EBP-BETA IN THE PRIMARY AFFERENT NEURONS AFTER THE NERVE INJURY M. Sasaki, S. Masayuki, M. Miura, K. Mizukoshi, Y. Izumi, F. Amaya, Anesthesiology, KPUM, Kyoto, Japan

PM 148 PPARγ CONTRIBUTES TO THE RAPID EFFECTS OF LOW- AND HIGH-DOSE 15D-PGJ2 ON CA2+ INFLUX IN DRG CULTURES S. Doolen, R. B. Griggs, T. Parkin, B. K. Taylor, Physiology, Univ. of Kentucky, Lexington, KY, USA

PM 149 FUNCTIONAL AND PHARMACOLOGICAL CHARACTERIZATION OF USE-DEPENDENT CA2.2 BLOCKERS USING THE FLIPR® AND ELECTROPHYSIOLOGY APPROACHES E. Grazzini1, O. Radresa2, J. Liu2, S. Zicha1, L. Lamoureux1, M. Valiquette1, 1In-vitro Biology and DMPK, AstraZeneca, Montréal, QC, Canada, 2HTS, AstraZeneca, Wilmington, DE, USA

PM 150 T-TYPE CALCIUM CHANNEL INHIBITION UNDERLIES THE ANALGESIC EFFECTS OF THE ENDOGENOUS LIPAMINO ACIDS A. Allou1, G. Barbar1, J. Nargeot1, P. Lory1, E. Eschalié1, E. Bourinet1, J. Chemir1, 1Pharmacology, Faculté de Médecine, Clermont-Ferrand, France, 2Physiopathologie des Canaux Ioniques., Inst. de Génomique Fonctionnelle, Unité Mixte de Recherche (UMR) 5203, INSERM U661, Montpellier, France

PM 151 ASIcS UPRGRULATION IN A RAT MODEL OF OSTEOARTHRITIS M. Izumi, M. Ikeuchi, N. F. Chen, T. Tani, Kochi Univ., Nankoku, Japan

PM 152 SPINAL NERVE AXOTOMY REDUCES HYPERPOLARISATION-ACTIVATED CURRENT (IH) IN A-FIBRE NEURONS IN VIVO L. Gao1, L. Djouhri1, C. Acosta1, S. N. Lawson1, 1Sch. of Med. Sci., Bristol, United Kingdom, 2Dept. of Pharmacology and Therapeutics, Liverpool Univ., Liverpool, United Kingdom

PM 153 CHARACTERIZATION AND IMPLICATION OF NEDD4-2 UBQUITIN LIGASE IN EXPERIMENTAL NEUROPATHIC PAIN M. Cachemaille1, C. Laedermann1, M. Pertin1, C. Towne1, A. Beggha1, H. Abriel1, I. Decosterd1, 1Dept. of Anesthesiology and Dept. of Cell Biology and Morphology, CHUV, Pain Res. Unit, Lausanne, Switzerland, 2Brain and Mind Inst., EPFL, Lausanne, Switzerland, 3Dept. of Clinical Res., Univ. of Bern, Bern, Switzerland

PM 154 MODULATION OF THE VOLTAGE GATED SODIUM CHANNEL NA1,1.7 BY UBQUITIN LIGASE NEDD4-2 C. Laedermann1,2, M. Cachemaille1, H. Abriel1, I. Decosterd1, 1Pain Res. Unit, Dept. of Anesthesiology and Dept. of Cell Biology and Morphology, Univ. Hosp. Ctr. (CHUV) and Univ. of Lausanne, Lausanne, Switzerland, 2Dept. of Pharmacology and Toxicology, Univ. of Lausanne, Lausanne, Switzerland, 3Dept. of Clinical Res., Univ. of Bern, Bern, Switzerland

PM 155 EFFECT OF RUFINAMIDE ON GATING PROPERTIES OF VOLTAGE-GATED SODIUM CHANNEL NA1,1.7 M. R. Sutera2, S. Abriel1, I. Decosterd1, 1Pain Res. Unit, Dept. of Anesthesiology and Dept. of Cell Biology and Morphology, Univ. Hosp. Ctr. (CHUV) and Univ. of Lausanne, Lausanne, Switzerland, 2for the Swiss Pain Consortium, Zurich, Switzerland, 3Dept. of Clinical Res., Univ. of Bern, Bern, Switzerland

PM 156 IMMUNOHISTOCHEMICAL DEMONSTRATION OF TRPM8, A COOLING RESPONSIVE CATION CHANNEL IN SKIN NERVE ENDINGS OF RATS M. Fujikawa1, K. Matsumura1, S. Kobayashi2, 1Dept. of Anesthesiology, Graduate Sch. of Med. Sci., Kyoto Prefectural Univ. of Med., Kyoto, Japan, 2Faculty of Information Sci. and Technology, Osaka Inst. of Technology, Osaka, Japan, 3Dept. of Intelligence Sci. and Technology, Graduate Sch. of Informatics, Kyoto Univ., Kyoto, Japan
PM 157 INVOLVEMENT OF TRPM2 EXPRESSED IN MACROPHAGE IN INFLAMMATORY PAIN T. Nakagawa, A. Kawamoto, K. Haraguchi, S. Maeda, H. Shirakawa, Y. Morit, S. Kaneko, 1Dept. of Molecular Pharmacology, Graduate Sch. of Pharmaceutical Sci., Kyoto Univ., Kyoto, Japan, 2Dept. of Synthetic Chemistry and Biological Chemistry, Graduate Sch. of Engineering, Kyoto Univ., Kyoto, Japan

PM 158 CRITICAL ROLES OF TRPM2 IN MURINE MODELS OF NEUROPATHIC PAIN K. Haraguchi, T. Nakagawa, A. Kawamoto, S. Maeda, A. Kusano, H. Shirakawa, Y. Morit, S. Kaneko, 1Dept. of Molecular Pharmacology, Graduate Sch. of Pharmaceutical Sci., Kyoto Univ., Kyoto, Japan, 2Dept. of Synthetic Chemistry and Biological Chemistry, Graduate Sch. of Engineering, Kyoto Univ., Kyoto, Japan

PM 159 AKA150 COORDINATES ASPECTS OF CALCINEURIN-MEDIATED DESENSITIZATION OF TRPV1 CHANNELS E. D. Poit, B. Samelson, J. D. Scott, N. A. Jeske, 1Pharmacology, Univ. of Texas Hlth. Sci. Ctr. at San Antonio, San Antonio, TX, USA, 2Pharmacology, Univ. of Washington, Seattle, WA, USA, 3Oral and Maxillofacial Surgery, Univ. of Texas Hlth. Sci. Ctr. at San Antonio, San Antonio, TX, USA

PM 160 A ROLE FOR TRPCs IN INFLAMMATORY PAIN K. Quick, C. Cendan, M. Nassar, J. Zhao, L. Bimbaumers, J. Woodi, 1WIBR, Univ. Coll. London, London, United Kingdom, 2NIEHS, Research Triangle Park, NC, USA

PM 161 LOCAL IGF-1 CONTRIBUTES PAIN HYPERSENSITIVITY AFTER TISSUE INJURY M. Muru, Y. Izumi, K. Mizukoshi, S. Masayuki, M. Sasaki, F. Amaya, Anesthesiology, KEPM, Kyoto, Japan

PM 162 INJURED NERVE-DERIVED COX2/PGE2 IS INVOLVED IN THE UP-REGULATION OF BRAIN-DERIVED NEUROTROPHIC FACTOR IN DORSAL ROOT GANGLION NEURONS AFTER NERVE INJURY P. Cruz Duarte, B. St-Jacques, R. Quirion, W. Mar, 1Douglas Mental Hlth. Univ. Inst., McGill Univ., Verdun, Montréal, QC, Canada, 2Douglas Mental Hlth. Univ. Inst. and Dept. of Psychiatry, McGill Univ., Verdun, Montréal, QC, Canada

PM 163 EFFECTS OF VGF-DERIVED PEPTIDES ON PRIMARY SENSORY NEURONS AND MICROGLIA M. Audib, Y. Chen, I. Nagy, A. S. Ricci, K. Okura, 1Div. of Cell & Molecular Biology, Imperial Coll., London, United Kingdom, 2Div. of Surgery, Oncology, Reproductive Biology and Anaesthetics, Imperial Coll., London, United Kingdom

PM 164 GALANIN INHIBITS p7K TYPE VOLTAGE-GATED CALCIUM CHANNELS IN RAT NOCICEPTIVE DRG NEURONS J. M. Lawrence, M. J. Stebbing, Sch. of Med. Sci., Royal Melbourne Inst. of Technology, Melbourne, Australia

PM 165 DIFFERENTIAL REGION-SPECIFIC MODULATION OF C-FOS EXPRESSION IN ENCEPHALITIS INJECTED BY SEVERAL 5-HT, RECEPTOR AGONISTS J. Buritova, E. Lauressergues, F. Lestienne, C. Theret, C. Barret-Grevot, G. Berinchon, D. Cussac, 1Cellular and Molecular Biology Dept., Laboratoires Pierre Fabre, Castres, France, 2Neurobiology 2 Div., Laboratoires Pierre Fabre, Castres, France

PM 166 EXCITATORY CCR2 SIGNALING ACTIVATES BOTH NEURONAL AND NON-NEURONAL CELLS ISOLATED FROM RAT NEUROPATHIC DRG AND SPINAL CORD A. Serrano, S. J. Elmes, M. N. Perkins, C. Q. Cao, AstraZeneca, Ville Saint-Laurent, QC, Canada


PM 168 MUD/ELOPID OPSON RECEPTOR HETEROLIGOMER TRAFFICKING IN RESPONSE TO PROLONGED MORPHINE TREATMENT E. W. Ong, M. L. Junek, L. A. Devi, C. M. Cahill, 1Queen’s Univ., Kingston, ON, Canada, 2Mount Sinai Sch. of Med., New York, NY, USA

PM 169 ESTROGEN’S RAPID EFFECT ON GLUTAMATE-RELATED SYNAPTIC TRANSMISSION IN THE ANTERIOR CINGULATE CORTEX X. Xiao, Y. Zhang, Inst. of neurobiology, Fudan Univ., Shanghai, China

PM 170 A NOVEL ANTIGEN-SPECIFIC IMMUNE MECHANISM OF PAIN L. Qu, P. Zhang, R. H. LaMotte, C. Ma, Anesthesiology, Yale Univ. Sch. of Med., New Haven, CT, USA

PM 171 EXPRESSION AND DISTRIBUTION OF MITOR, P70S6K, 4E-BP1, AND THEIR PHOSPHORYLATED COUNTERPARTS IN RAT DORSAL ROOT GANGLION AND SPINAL CORD DORSAL HORN J. Xu, X. Zhao, M. Yaster, Y. Tao, Anesthesiology and Critical Care Med., Johns Hopkins Univ. Sch. of Med., Baltimore, MD, USA

PM 172 RETROGRADE TRANSPORT OF PHOSPHORYLATED CREB2 IN SENSORY NEURONS F. B. Carr, L. Berlocchi, S. P. Hunt, Cell and Dev. Biology, Univ. Coll. London, London, United Kingdom


PM 174 GENE EXPRESSION IN RAT TRIGEMINAL GANGLION NEURONS AFTER INFERIOR ALVEOLAR NERVE INJURY M. Okumura, E. Kondo, 1Inst. for Oral Sci., Matsumoto Dental Univ., Shiojiri, Japan, 2First Dept. of Oral Anatomy, Matsumoto Dental Univ., Shiojiri, Japan

PM 175 ANALGESIC, ANTI-INFLAMMATORY AND ANTI-PYRETHICS EFFECTS OF THE ETHANOLIC EXTRACT OF ACALYPHY WILKESIANA LEAVES IN RATS B. V. Owoyele, A. O. Soladoye, Physiology, Univ. of Ilorin, Ilorin, Nigeria

PM 176 ESTABLISHMENT OF RABBIT MODEL FOR INTERVERTEBRAL DISK DEGENERATION H. Liu, Q. Tang, Anesthesiology, West China Hosp., Chengdu, China

PM 177 TOCOTRIENOL BUT NOT α-TOCOPHEROL REVERS BEHAVIORAL AND BIOCHEMICAL ALTERATIONS IN EXPERIMENTAL ALCOHOLIC NEUROPATHY PAIN IN RATS V. Tiwari, A. Kuhad, K. Chopa, 1Univ. of Pharmaceutical Sci. (UIPS), Panjab Univ., Chandigarh, India, 2Univ. Inst. of Pharmaceutical Sci. (UIPS), Panjab Univ., CHANDIGARH, India


PM 180 PERIPHERAL CHRONIC INFLAMMATION: MORPHINE PROVIDES POTENTIATED ANALGESIA POSSIBLY VIA ITS ANTI-INFLAMMATORY EFFECT K. Frittd, G. Wolf, E. Nasaev, O. Brenner, S. Meillin, Y. Shavit, 1Dept. of Psychology, Hebrew Univ., Jerusalem, Israel, 2MD Biosciences, Ness Ziona, Israel

PM 182 ANALGESIC ACTIVITY OF TAPENTADOL IN ANIMAL MODELS OF INFLAMMATORY PAIN AND OSTEOARTHRITIS K. Schiene, J. De Vr, T. M. Tzschenthe, Global Preclinical Res. and Dev., Grünenthal GmbH, Aachen, Germany
PM 193 THE ANTI-NOCICEPTIVE AND ANTIALGESIC EFFECTS OF TAPENTADOL IS PARTIALLY RETAINED IN OPRM1 (µ-OPIOID RECEPTOR) KNOCKOUT MICE BY Y. Kögel, J. De Vry, T. M. Tschentke, T. Christoph, Global Preclinical Res. and Dev., Grünenthal GmbH, Aachen, Germany

PM 194 STUDY OF HIPPOCAMPAL NEUROGENESIS AFTER CHRONIC INFLAMMATORY STIMULUS IN NEWBORN RATS BY T. Leslie1, L. Covolari2, R. Guinsburg3, Pediatrics, Univ. of Toronto, Toronto, ON, Canada, 2Pediatrics, Univ. Federal de Sao Paulo, Sao Paulo, Brazil

PM 195 PERIPHERAL 5-HT, RECEPTOR PARTICIPATE IN THE DEVELOPMENT AND MAINTENANCE OF FORMALIN-INDUCED SECONDARY ALLODYNIA AND HYPERALGESIA BY B. Godinez-Chaparro, V. Granados-Soto, Pharmacobiology, Cinvestav, Mexico City, Mexico

PM 196 INFLUENCE OF NIMESULIDE ON SERUM INTERLEUKIN-6 CONCENTRATION IN A RAT MODEL OF NEUROPATHIC PAIN BY T. Momi. Zanjani, B. Karimian, Pharmacology and Neurosci. Res. Ctr., Shahid Beheshti Med. Univ., Tehran, Iran, Islamic Republic of

PM 197 ACUTE TO CHRONIC PAIN TRANSITIONS: GENOMIC APPROACHES BY R. C. Levti, Y. Zhang1, R. W. Morris1, Q. Li, E. S. Fu, 1Anesthesiology, Univ. of Miami, Miami, FL, USA, 2Hussman Inst. of Human Genetics, Univ. of Miami, Miami, FL, USA

PM 198 IMMEDIATELY COLD STRESS-INDUCED EXPERIMENTAL FIBROSYMPALGIA MODEL IN MICE: PHARMACOLOGY AND NEUROBIOLOGY BY M. Nishiyori, H. Ueda, Div. of Molecular Pharmacology and Neurosci., Nagasaki Univ. Graduate Sch. of BioMed. Sci., Nagasaki, Japan

PM 199 SPINAL CORD STIMULATION REDUCES METABOLIC ACTIVITY IN THE SPINAL DORSAL HORN IN RATS WITH NERVE INJURY INDUCED PAIN BY H. Smits1, T. Pederzani2,3, B. A. Joosten1, M. van Kleef1, F. J. Huygen4, 1Anesthesiology, Univ. of Tokyo, Tokyo, Japan, 2Med. Biochemistry, Kyushu Univ., 3Faculty of Dentistry, Kyushu Univ., 4Biochemistry and Molecular Biology, Univ. of Tokyo, Tokyo, Japan

PM 197 EVALUATION OF 5-HYDROXYTRYPTAMINE (5-HT) AND ITS RECEPTORs ROLE IN PERIPHERAL NOCICEPTIVE RESPONSE IN MICE BY E. B. Nascimento Jr.1, J. T. Seniuk1, A. M. Godin1, W. C. Ferreira1, L. S. Bastos1, A. P. Oliveira1, L. B. Fiebich1, M. M. Coelho1, 1Pharmaceutical Products, UFMG, Belo Horizonte, Brazil, 2Newton Paiva Univ., Belo Horizonte, Brazil, 3Physiology and Biophysics, UFMG, Belo Horizonte, Brazil, 4Psychiatry, Univ. of Freiburg Med. Sch., Freiburg, Germany

PM 199 EFFECTS OF NKCIC1 BLOCKADE ON SPINAL C-FOS EXPRESSION EVOKEd BY INTRACOLONIC CAPSACIN AND LOW THRESHOLD MECHANICAL STIMULATION OF THE SKIN BY M. H. Pitcher1, F. R. Nieto1, F. Cervero1, 1Anesthes Res. Unit, McGill, Montréal, QC, Canada, 2Dept. of Pharmacology and Inst. of Neurosci., Univ. of Granada, Granada, Spain

PM 200 DIFFERENT LONG TERM GENDER VULNERABILITY AFTER NEONATAL PAINFUL FORMALIN STIMULATION IN RATS BY M. A. Medeiros1, A. Negrin1, R. Guinsburg1, L. Covolari2, 1Dept. of Physiological Sci., Univ. Federal Rural do Rio de Janeiro, Rio de Janeiro, Brazil, 2Physiology, Univ. Federal de Sao Paulo, Sao Paulo, Brazil, 3Dept. of Pediatrics-Neonatal Div., Univ. Federal de Sao Paulo, Sao Paulo, Brazil

PM 201 PHASE 1 PRECLINICAL SAFETY STUDY OF INTRATEHAL METHYLPREDNISOLONE ACETATE IN DOGS BY M. Rjasnik, A. J. van Wijck1, C. J. Kalkman1, P. C. Meulenhoff2, N. A. Tozier3, T. L. Yaks1, 1Anesthesiology, Univ. Med. Ctr. Utrecht, Utrecht, Netherlands, 2Pharmac, Univ. Med. Ctr. Utrecht, Utrecht, Netherlands, 3Anesthesiology, Univ. of California San Diego, San Diego, CA, USA

PM 202 PAIN BEHAVIORS, SPINAL FOS AND GLIAL EXPRESSION FOLLOWING LONG-TERM CAST IMMOBILIZATION IN RATS BY R. Okaso1, R. Kanimanna1, P. C. Meulenhoff2, N. A. Tozier3, T. L. Yaks1, 1Anesthesiology, Univ. Med. Ctr. Utrecht, Utrecht, Netherlands, 2Pharmac, Univ. Med. Ctr. Utrecht, Utrecht, Netherlands, 3Anesthesiology, Univ. of California San Diego, San Diego, CA, USA

PM 203 MECHANOCOLD ALLODYNIA IN RATS FOLLOWING SPARED NERVE INJURY (SNI): IMPACT OF RAT STRAIN AND SUPPLIER OF RATS BY S. Oerther, C. Stenfors, Neurosci., AstraZeneca R&D Södertälje, Södertälje, Sweden

PM 204 PAIN ASSOCIATED WITH MULTIPLE SCLEROSIS: AN INTERSPECIES COMPARISON IN MOUSE MODELS AND ANALYSIS OF MOLECULAR MECHANISMS BY J. Lu1, R. Linker2, R. Kuner3, A. Tappe-Theodor2, 1Inst. of Pharmacology, Heidelberg Univ., Heidelberg, Germany, 2Zentrum für Klinische Forschung, Ruhr-Univers., Bochum, Bochum, Germany

PM 205 SPINAL CORD STIMULATION MAY REGULATE SPINAL GABA SYNTHESIS IN NEUROPATHIC ANIMALS BY C. Uterusch, Z. Song, B. Meyerzon, B. Linderoth, Dept. of Clinical Neurosci., Karolinska Inst., Stockholm, Sweden

PM 206 OBSERVED CURRENT ON SPINAL CORD NEUROSTIMULATOR LEADS FROM DISCHARGE OF IMPLANTED CARDBVERTER DEFIBRILLATOR BY P. Krause1, J. Paulin2, J. Bertram2, W. Havel1, V. Nikolski1, 1Anesthesiology, Univ. Med. Ctr. Utrecht, Utrecht, Netherlands, 2Pharmac, Univ. Med. Ctr. Utrecht, Utrecht, Netherlands, 3Anesthesiology, Univ. of California San Diego, San Diego, CA, USA

PM 207 INFLUENCE OF NIMESULIDE ON SERUM INTERLEUKIN-6 CONCENTRATION IN A RAT MODEL OF NEUROPATHIC PAIN BY T. Momi. Zanjani, B. Karimian, Pharmacology and Neurosci. Res. Ctr., Shahid Beheshti Med. Univ., Tehran, Iran, Islamic Republic of

PM 208 EFFECTS OF NKCIC1 BLOCKADE ON SPINAL C-FOS EXPRESSION EVOKEd BY INTRACOLONIC CAPSACIN AND LOW THRESHOLD MECHANICAL STIMULATION OF THE SKIN BY M. H. Pitcher1, F. R. Nieto1, F. Cervero1, 1Anesthes Res. Unit, McGill, Montréal, QC, Canada, 2Dept. of Pharmacology and Inst. of Neurosci., Univ. of Granada, Granada, Spain

PM 200 DIFFERENT LONG TERM GENDER VULNERABILITY AFTER NEONATAL PAINFUL FORMALIN STIMULATION IN RATS BY M. A. Medeiros1, A. Negrin1, R. Guinsburg1, L. Covolari2, 1Dept. of Physiological Sci., Univ. Federal Rural do Rio de Janeiro, Rio de Janeiro, Brazil, 2Physiology, Univ. Federal de Sao Paulo, Sao Paulo, Brazil, 3Dept. of Pediatrics-Neonatal Div., Univ. Federal de Sao Paulo, Sao Paulo, Brazil

PM 201 PHASE 1 PRECLINICAL SAFETY STUDY OF INTRATEHAL METHYLPREDNISOLONE ACETATE IN DOGS BY M. Rjasnik, A. J. van Wijck1, C. J. Kalkman1, P. C. Meulenhoff2, N. A. Tozier3, T. L. Yaks1, 1Anesthesiology, Univ. Med. Ctr. Utrecht, Utrecht, Netherlands, 2Pharmac, Univ. Med. Ctr. Utrecht, Utrecht, Netherlands, 3Anesthesiology, Univ. of California San Diego, San Diego, CA, USA

PM 202 PAIN BEHAVIORS, SPINAL FOS AND GLIAL EXPRESSION FOLLOWING LONG-TERM CAST IMMOBILIZATION IN RATS BY R. Okaso1, R. Kanimanna1, P. C. Meulenhoff2, N. A. Tozier3, T. L. Yaks1, 1Anesthesiology, Univ. Med. Ctr. Utrecht, Utrecht, Netherlands, 2Pharmac, Univ. Med. Ctr. Utrecht, Utrecht, Netherlands, 3Anesthesiology, Univ. of California San Diego, San Diego, CA, USA

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PM 204 PAIN ASSOCIATED WITH MULTIPLE SCLEROSIS: AN INTERSPECIES COMPARISON IN MOUSE MODELS AND ANALYSIS OF MOLECULAR MECHANISMS BY J. Lu1, R. Linker2, R. Kuner3, A. Tappe-Theodor2, 1Inst. of Pharmacology, Heidelberg Univ., Heidelberg, Germany, 2Zentrum für Klinische Forschung, Ruhr-Univers., Bochum, Bochum, Germany

PM 205 SPINAL CORD STIMULATION MAY REGULATE SPINAL GABA SYNTHESIS IN NEUROPATHIC ANIMALS BY C. Uterusch, Z. Song, B. Meyerzon, B. Linderoth, Dept. of Clinical Neurosci., Karolinska Inst., Stockholm, Sweden

PM 206 OBSERVED CURRENT ON SPINAL CORD NEUROSTIMULATOR LEADS FROM DISCHARGE OF IMPLANTED CARDBVERTER DEFIBRILLATOR BY P. Krause1, J. Paulin2, J. Bertram2, W. Havel1, V. Nikolski1, 1Anesthesiology, Univ. Med. Ctr. Utrecht, Utrecht, Netherlands, 2Pharmac, Univ. Med. Ctr. Utrecht, Utrecht, Netherlands, 3Anesthesiology, Univ. of California San Diego, San Diego, CA, USA

PM 229 THE EFFECT OF MODALITY AND TYPE OF MEASUREMENT ON THE "CONDITIONED PAIN MODULATION (CPM)" RESPONSE H. Nahman- Averbuch, D. Yarnitsky, E. Gerber, P. Dagut, M. Granot, 1,2, 3The Lab. of Clinical Neurophysiology, The Rappaport Faculty of Med., Technion-Israel Inst. of Technology, Haifa, Israel. 1Neurology, Rambam Med. Ctr., Haifa, Israel. 2Faculty of Social Welfare and Hlth. Sci., Univ. of Haifa, Haifa, Israel

PM 230 DIFFERENTIAL EFFECTS OF REWARD STIMULI ON PAIN EVALUATION IN FIBROMYALGIA PATIENTS AND HEALTHY CONTROLS R. McCue, J. Lawrence, E. Schöllberg, B. Knutsen, S. Mackey, 1Dept. of Anesthesia, Stanford Univ. Med. Ctr., Palo Alto, CA, USA. 2Psychology, Univ. of Manitoba, Polo Alto, CA, USA. 3Dept. of Psychology, Stanford Univ., Palo Alto, CA, USA


PM 233 NOCICEPTIVE STEADY-STATE RADIO-EVOKED BRAIN POTENTIALS A. Mouroux, G. D. Iannetti, L. Plaghki, 1Inst. des Neurosciences (IoNS), Univ. catholique de Louvain, Brussels, Belgium. 2Dept. of Neurosci., Physiology and Pharmacology, Univ. Coll. London, London, United Kingdom

PM 234 FUNCTIONAL CONNECTIVITY OF ANTERIOR INSULA PREDICTS THREAT-RELATED MODULATION OF PAIN K. Wiech, C. Lin, K. H. Brodersen, 1Dept. of Psychology, Univ. of Oxford. 2Oxford Ctr. for Functional Magnetic Resonance Imaging of the Brain (FMRIB), Univ. of Oxford, Oxford, United Kingdom. 3Dept. of Psychology, Univ. of Leuven, Leuven, Belgium. 4Inst. for Empirical Res. in Economics, Univ. of Zurich, Zurich, Switzerland. 5Nuffield Dept. of Anaesthesiology, Univ. of Oxford, Oxford, United Kingdom

PM 235 SOMATOSENSORY CORIREAL ORGANIZATION ASSOCIATED WITH NEUROPATHIC PAIN BUT NOT WITH NOCICEPTIVE PAIN IN PATIENTS WITH OROFACIAL PAIN S. M. Gustin, C. Peck, L. Cheney, G. M. Murray, L. A. Henderson, 1Anatomy and Histology, Univ. of Sydney, Sydney, Australia. 2Dept. of Neurosci., Res. Inst. of Environmental Med., Nagoya Univ., Nagoya, Japan. 3Dept. of Anesthesiology, Hiroshima Univ. Sch. of Med., Hiroshima, Japan. 4Inst. for Frontier Areas of Psychology and Mental Hlth., Goethe Univ. Frankfurt, Frankfurt, Germany. 5Inst. for Frontiers of Psychology and Mental Hlth., Freiburg, Germany


PM 237 ARE BRAIN ACTIVITY PATTERNS IN A CONDITIONED PLACEBO ANALGESIA PROTOCOL RELATED TO HYPNOTIC SUSCEPTIBILITY? AN FMRI STUDY F. Lu, A. Huber, 1D. Duuzzi, L. Collozza, A. Bauleo, F. Benedetti, C. A. Porro, 1Dip. di Scienze Biomediche, Univ. Modena e Reggio Emilia, Modena, Italy. 2Dip. di Neuroscienze, Univ. Torino, Istituto Nazionale di Neuroscienze, Torino, Italy

PM 238 “YOU GET WHAT YOU EXPECT”: THE IMPACT OF TREATMENT EXPECTATION ON OPIOID ANALGESIA U. Bingel, V. Wargaszkera, K. Wiech, R. Mhruechartaigh, M. Lee, M. Pioner, I. Tracey, 1Dept. of Neurology, Hamburg, Germany. 2Oxford Ctr. for Functional MRI of the Brain, Nuffield Dept. of Anaesthesiology, Oxford, United Kingdom. 3Oxford Ctr. for Functional MRI of the Brain, Nuffield Dept. of Anaesthetics, Oxford, University Kingdom. 4Div. of Anaesthesia, Cambridge Univ., Addenbrookes Hosp., Cambridge, United Kingdom. 5Dept. of Neurology, Technische Univ. München, Munich, Germany

PM 239 THE CAPTURE OF ATTENTION BY PAIN: AN EVENT-RELATED POTENTIAL STUDY V. Legrain, C. Perchet, L. Garcia-Larrea, 1Dept. of Psychology, Ghent Univ., Ghent, Belgium. 2INSERM Unit 879, Lyon, France


PM 241 INDIVIDUAL VARIATIONS IN WHITE MATTER CONNECTIVITY RELATES TO THREAT-MEDIATED INFLUENCES ON PAIN C. Lin, C. Wiech, S. Jbabdi, I. Tracey, 1Anaeuthetics, Univ. of Oxford, FMRIB, Oxford, United Kingdom. 2Nuffield Dept. of Anaesthesiology & Clinical Neurology, Univ. of Oxford, Oxford, United Kingdom


PM 243 ABSENCE OF THE LPA RECEPTOR, GPR92 ABOLISHES NOCICEPTIVE RESPONSES IN MOUSE MODELS OF PAIN S. Bingham, J. Egerton, J. P. Hatcher, S. Patel, A. Green, J. B. Davis, A. Billinton, 1Neurosci. Ctr. of Excellence for Drug Discovery, GlaxoSmithKline Pharmaceuticals, Harlow, Essex, CB11 3JB, United Kingdom. 2Screening and compound profiling, Molecular Discovery Res., GlaxoSmithKline Pharmaceuticals, Harlow, Essex, CB11 3JB, United Kingdom

PM 244 EFFECT OF GTP-CYCOHYDROLASE DEFICIENCY IN THE HPH-1 MOUSE ON ACUTE AND INFLAMMATORY PAIN A. Nasser, O. J. Bjørnø, A. Heegaard, L. B. Måller, 1Dept. of Pharmacology and Pharmacotherapy, Faculty of Pharmaceutical Sci., Copenhagen, Denmark. 2Kennedy Ctr., Glostrup, Denmark


PM 246 PROGESTERONE IS A RISK FACTOR IN FEMALES ASSOCIATED WITH EXAGGERATED PAIN SENSITIVITY AND HYPERALGESIA IN A HUMAN EXPERIMENTAL MODEL OF INCISIONAL PAIN E. M. Pogatzki-Zahn, C. Mengser, T. Klein, W. Magerl, J. S. Engbrodt, P. K. Zahn, 1Dept. of Anesthesiology and Critical Care, Univ. Clinic of Muenster, Muenster, Germany. 2Dept. of Neurophysiology, Med. Faculty Mannheim of the Univ. of Heidelberg, Mannheim, Germany

PM 247 ANALGESIC AND ANTAGHYPERALGESIC PROPERTIES OF IMMEDIATE RELEASE DOSES OF ORAL MORPHINE IN A STANDARDIZED HUMAN PAIN MODEL J. Filiz, H. Ihmsen, W. Koppert, 1Dept. of Anesthesiology and Intensive Care, Hannover Med. Sch., Hannover, Germany. 2Dept. of Anesthesiology and Intensive Care, Univ. Hosp. Erlangen, Erlangen, Germany

PM 248 UP TO THIRTY PERCENT OF HEALTHY SUBJECTS EXPERIENCE PARADOXICAL HEAT DURING SUSTAINED COLD STIMULATION H. Benson, H. Bratlie, M. DeAth, B. Ganatra, P. Moss, M. Zisman, A. Wright, CHfIR, Curtin Univ. of Technology, Perth, Australia


PM 250 SPINAL NOCICEPTIVE SENSITIVITY IS RELATED TO NUMBER OF PAINFUL SITES IN COMPUTER WORKERS D. Matre, S. Knardahl, Dept. of Occupational Musculoskeletal Disorders, Natl. Inst. of Occupational Hlth., Oslo, Norway
PM 251 HOMO- AND HETERTOPIC HYPERALGESIA FOLLOWING PAINFUL ELECTRICAL HIGH-FREQUENCY STIMULATION (HFS): BOTH SHARE THE TIME COURSE OF EARLY LTP D. B. Pfau1, T. Klein1, D. Puter1, E. Pogatzki-Zahn1, R. D. Treede2, W. Magert2, 1Dept. of Neurophysiology, CBTM, Med. Faculty Mannheim, Univ. of Heidelberg, Mannheim, Germany, 2Dept. of Anaesthesiology and Intensive Care Med., Univ. Hosp. of Muenster, Muenster, Germany

PM 252 A TWO PERIOD, PLACEBO-CONTROLLED STUDY INTO MARKERS OF PERIPHERAL AFFERENT ACTIVATION IN HUMANS AND THE EFFECT OF EMLA ON NEUROGENIC INFLAMMATION IN THE ELECTRICAL HYPERALGESIA MODEL M. O’Donnell1, L. M. O’Donnell1, D. C. Robertson1, L. J. Smith1, Y. Boyle1, L. Cookson1, Z. dalton1, J. robertson1, B. Chizh1, 1GlaxoSmithKline, ACCI, GlaxoSmithKline, Cambridge, United Kingdom, 2Discovery Biometrics, GlaxoSmithKline, Harlow, United Kingdom

PM 253 HIGH-FREQUENCY STIMULATION-INDUCED LONG-TERM POTENTIATION (LTP) AND LOW-FREQUENCY STIMULATION-INDUCED DEPOTENTIATION (DE-LTP) OF PAIN PERCEPTION IN HUMANS L. Bürk1,2, D. B. Pfau1, T. Klein1, R. D. Treede2, W. Magert2, 1Dept. of Neurophysiology, CBTM, Med. Faculty Mannheim, Univ. of Heidelberg, Mannheim, Germany, 2Inst. of Physiology and Pathophysiology, Univ. Mainz, Mainz, Germany

PM 254 IONTOPHORETIC DELIVERY OF BRADYKININ INTO HUMAN SKIN INDUCES TEMPERATURE-DEPENDENT PAIN, THERMAL AND MECHANICAL HYPERALGESIA C. Monteiro1,2, S. Rebelo1,2, V. Galhardo1,2, D. L. Lima1,2, C. Reguenga1,2, 1IBMC-Instituto de Biologia Molecular e Celular da Univ. do Porto, Porto, Portugal, 2Laboratório de Biologia Celular e Molecular da Faculdade de Med. da Univ. do Porto, Porto, Portugal, 1Inst. de Histologia e Embriologia da Faculdade de Med. da Univ. do Porto, Porto, Portugal

PM 255 DEVELOPMENT OF A QUANTITATIVE SENSORY TEST BATTERY SUITABLE FOR EARLY PHASE ANALGESIC DRUG DEVELOPMENT J. L. Hay1, J. M. van Gerven1, G. Groeneveld1, A. Dahar1, 1Ctr. for Human Drug Res., Leiden, Netherlands, 2Dept. of Anesthesiology, Leiden Univ. Med. Ctr., Leiden, Netherlands

PM 256 INCREASED EXPRESSION OF THE HOMEOBOX GENE Drg11 IN INFLAMMATORY BUT NOT NEUROPATHIC PAIN CONDITIONS IN ADULT MICE C. Monteiro1,2, S. Rebelo1,2, V. Galhardo1,2, D. L. Lima1,2, C. Reguenga1,2, 1IBMC-Instituto de Biologia Molecular e Celular da Univ. do Porto, Porto, Portugal, 2Laboratório de Biologia Celular e Molecular da Faculdade de Med. da Univ. do Porto, Porto, Portugal, 1Inst. de Histologia e Embriologia da Faculdade de Med. da Univ. do Porto, Porto, Portugal

PM 258 DIRECT BLOCKADE OF INFLAMMATORY HYPERALGESIA BY PERIPHERAL ACTIVATION OF A1 ADENOSINE RECEPTOR: INVOLVEMENT OF NOICOMP/GPKAT SIGNALING PATHWAY F. O. Lima1, G. R. de Souza1, W. A. Vern Jr1, C. A. Parada1, S. H. Ferreira1, F. C. Cunha1, T. M. Cunha1, Farmacologia, Univ. de São Paulo, Ribeirão Preto, Brazil

PM 259 THE EFFECT OF LOW-DOSE KETAMINE INFUSION ON INFLAMMATORY CHANGE IN CORONARY ARTERY BYPASS GRAFT SURGERY S. Akhlagh1, M. B. Khosravi1, D. Zeighami2, 1Anesthesia Dept., INFLAMMATORY CHANGE IN CORONARY ARTERY BYPASS GRAFT, Turku Univ. Hosp. and Univ. of Turku, Turku, Finland, 2Dept. of Anaesthesiology, Intensive Care, Emergency Care and Pain Med., Turku Univ. Hosp. and Univ. of Turku, Turku, Finland

PM 260 SENSITIZATION OF CUTANEOUS NOCICEPTORS DURING INFLAMMATION IS AFFECTED BY GENETIC VARIABILITY S. Akhlagh1, M. B. Khosravi1, D. Zeighami2, 1Anesthesia Dept., INFLAMMATORY CHANGE IN CORONARY ARTERY BYPASS GRAFT, Turku Univ. Hosp. and Univ. of Turku, Turku, Finland, 2Dept. of Anaesthesiology, Intensive Care, Emergency Care and Pain Med., Turku Univ. Hosp. and Univ. of Turku, Turku, Finland

PM 261 SESAMOL SUPPRESSES NEURO-INFLAMMATORY CASCADE IN EXPERIMENTAL MODEL OF DIABETIC HYPERALGESIA A. Kuhad1, V. Tiwari1, V. Arora1, K. Chopra1, Univ. Inst. of Pharmaceutical Sci., Panjab Univ., Chandigarh, India

PM 262 VALIDATION OF THE MIA-INDUCED OSTEORRHARTHIC JOINT PAIN MODEL IN RAT USING A HIGHLY SENSITIVE WEIGHT-BEARING MEASUREMENT SYSTEM H. Rashid1, Y. Theberge1, M. Perkins2, F. McIntosh2, BioSci., AstraZeneca R&D Montréal, Montréal, QC, Canada

PM 263 ACTIVATION OF PERIPHERAL NMDA RECEPTORS DOES NOT CONTRIBUTE TO TUMOUR NECROSIS FACTOR ALPHA (TNFα)-INDUCED SENSITIZATION OF RAT MASSETER MUSCLE NOCICEPTORS A. W. Hakim1, X. Dong1, B. E. Cairns, Pharmaceutical Sci., Univ. of British Columbia, Vancouver, BC, Canada

PM 264 EFFECTS OF MUSCLE HARDNESS ON PRESSURE ASSESSMENT S. Fincocchi1, L. Arendt-Nielsen1, C. Dahl March1, T. Graven-Nielsen1, Dept. Hlth. Sci. and Technology, Ctr. for Sensory-Motor Interaction (SMI), Aalborg, Denmark

PM 265 MARKED DIFFERENCES IN AGE-RELATED CHANGES IN THE SENSORY INNERVATION OF THE SKELETON, SKELLETAL PAIN AND BONE HEALING J. M. Jimenez-Andreage1, W. Manthy1, A. Bloom1, M. Kaczmarska1, J. Ghilardi1, K. Freeman1, D. Delong1, W. P. Manthy1,2, 1Pharmacology, Univ. of Arizona, Tucson, AZ, USA, 2Res. Service, VA Med. Ctr., Minneapolis, MN, USA

PM 266 TOLL-LIKE RECEPTOR 4 IS REQUIRED FOR CONTINUED MECHANICAL HYPERSENSITIVITY DURING K/BXN SERUM TRANSFER ARTHRITIS C. Christian1, J. Stokes1, M. Corr2, C. Svensson2, T. L. Yaksh1, 1Univ. of California San Diego, La Jolla, CA, USA, 2Karolinska Inst., Stockholm, Sweden

PM 267 A BLOCK OF MICROGLIAL CELLS PREVENTS THE MYOSITIS-INDUCED SENSITIZATION OF SPINAL NEURONS S. Menese1, U. Hoheisel1, M. Chacour1, S. Heidelberg U. Med. Faculty Mannheim, Mannheim, Germany, 1Univ. of Sao Paulo, Sao Paulo, Brazil

PM 268 RITONAVIR AND LOPINAVIR/RTONAVIR DRASTICALLY INCREASE THE CONCENTRATIONS OF ORAL OXYCODONE T. H. Nieminen1, N. M. Hageberg1, T. I. Saarni1, M. Neuvonen1, P. J. Neuvonen1, K. Laine1, K. T. Oikkola1, 1Dept. of Anaesthesiology, Intensive Care, Emergency Care and Pain Med., Turku Univ. Hosp. and Univ. of Turku, Turku, Finland, 2Dept. of Anaesthesiology, Intensive Care, Emergency Care and Pain Med., Turku Univ. Hosp., Turku, Finland, 3Dept. of Clinical Pharmacology, Helsinki Univ. Central Hosp. and Univ. of Helsinki, Helsinki, Finland, 4Dept. of Pharmacology, Drug Dev. & Therapeutics, Univ. of Turku, Turku, Finland

PM 269 THE RUBBER HAND ILLUSION: AN EXPERIMENTAL MODEL TO INVESTIGATE THE CORTICAL PROCESSES UNDERPINNING THE BODY PERCEPTION DISTURBANCES ASSOCIATED WITH PAIN A. Bulley1, Y. Han1, M. Thacker1, Sch. of BioMed. and Hlth. Sci., King’s Coll. London, London, United Kingdom

PM 270 ARE WE THERE YET? DETERMINING THE PHARMACOLOGICALLY RELEVANT CONCENTRATIONS OF DRUGS FOR PERIPHERAL VERSUS CENTRAL PAIN TARGETS S. Cole1, W. Speed1, P. Sood1, A. M. Yong1, 1Pharmacokinetics, Dynamics and Metabolism, Pfizer, Sandwich, United Kingdom, 2Univ. of Leicester, Sch. of Psychology, Leicester, United Kingdom

PM 271 IN VIVO CHARACTERIZATION OF AZ3889, A NOVEL CC CHEMOKINE RECEPTOR 2 (CCR2) ANTAGONIST WITH ANALGESIC PROPERTIES IN NEUROPATHY M. Pare1, S. J. Elmes1, F. McIntosh1, J. Martino1, E. Lessard1, P. M. Lembo1, F. Vaillancourt1, M. N. Perkins1, C. Q. Cao1, BioSci., AstraZeneca R&D Montréal, Montréal, QC, Canada

PM 272 THE ANTINOCICEPTIVE EFFECTS OF TODDALIA ASIATICA BARK EXTRACT USING HOT PLATE AND TAIL FLICK TESTS ON MICE H. N. Karuki1, T. I. Karuki2, B. N. Patel1, A. Yenesew2, 1Med. Physiology, Univ. of Nairobi, Nairobi, Kenya, 2Dept. of Vet. Anatomy and Physiology, Univ. of Nairobi, Nairobi, Kenya, 3Chemistry, Univ. of Nairobi, Nairobi, Kenya

PM 273 EFFECT OF INTRACEREBROVENTRICULAR ADMINISTRATION OF COP-CHOLINE IN NEUROPATHIC PAIN: INVOLVEMENT e7 NICOTINIC, OPIOID AND GABA B RECEPTORS M. S. Gurun1, D. Bagdas2, F. Ak Sonat3, 1Dept. of Pharmacology, Uludag Univ. Faculty of Med., Bursa, Turkey, 2Experimental Animals Breeding and Res. Ctr., Uludag Univ. Faculty of Med., Bursa, Turkey, 3Dept. of Pharmacology, Uludag Univ. Faculty of Med., Bursa, Turkey

Monday, August 30, 2010

PM 300  SODIUM CURRENT PROPERTIES DIFFER IN NEONATE AND ADULT MOUSE SUPERFICIAL DORSAL HORN NEURONS  M. A. Walsh, K. E. Farrell, B. A. Graham, A. M. Brichita, R. J. Callister, Univ. of Newcastle, Callaghan, Australia

PM 301  DIABETIC MELLITUS MODULATED INTRASPINAL NEURONAL TRANSMISSION FOR PULMONARY IRRITATION IN RATS  C. Qin1, M. L. Ghorbani2, M. Wu3, M. Joshi1, J. P. Farber1, J. Ma1, R. D. Foreman1, 1Physiology, Univ. of Oklahoma Hlth. Sci. Ctr., Oklahoma City, OK, USA, 2Pharmacology and Pharmacotherapy, The Faculty of Pharmaceutical Sci., Univ. of Copenhagen, Copenhagen, Denmark, 3Internal Med., Univ. of Oklahoma Hlth. Sci. Ctr., Oklahoma City, OK, USA

PM 302  IMAGE PLANE LOCKING IN LIVE ANIMALS TO MONITOR FAST CELLULAR DYNAMICS  S. Laffray, S. Pagès, P. De Konincx, Y. De Konincx, D. Côté, Unité de Neurobiologie cellulaire, CRULRG (Centre de Recherche Univ. Laval Robert-Giffard), Québec, QC, Canada

PM 303  SPINAL DYNOPHIN HAS A PRONOCICEPTIVE ROLE ON FORMALIN-INDUCED SECONDARY ALLODYNIA AND HYPERALGESIA IN RATS  M. Ambroz-Tututi, S. L. Cruz, V. Granados-Soto, Dept. de Neurociencias, Univ. Autónoma del Estado de Hidalgo, Pachuca de Soto, Hgo., Mexico, 2Área Académica de Química, Univ. Autónoma del Estado de Hidalgo, Pachuca de Soto, Hgo., Mexico

PM 304  A-FIBER INPUTS GATE C-FIBER INPUTS TO THE RAT SUPERFICIAL MEDULLARY DORSAL HORN VIA THE ACTIVATION OF GABA A RECEPTORS  C. Melin, R. Daliel, A. Artola, Univ. Auvergne Clermont, INSERM U929, Clermont-Ferrand, France

PM 305  AUTONOMIC RESPONSES TO HEAT PAIN: HEART RATE, SKIN CONDUCTANCE, AND THEIR RELATION TO VERBAL RATINGS AND STIMULUS INTENSITY  M. Juneau1,2, M. L. Loggia3,4, M. C. Bushnell5,1, 1Physiology, Univ. of Maryland Dental Sch., Baltimore, MD, USA, 2Dept. of Oral Anatomy, Kyung Hee Univ., Sch. of Dentistry, Seoul, Korea, Republic of, 3The Solomon H. Snyder Dept. of Neurosci., Johns Hopkins Univ., Sch. of Med., Baltimore, MD, USA

PM 306  TOPOGRAPHY OF THE LUMBAR SYMPATHETIC TRUNK IN NORMAL LUMBAR SPINES AND SPINES WITH SPONDYLODESIS: IS THERE ANY DIFFERENCE?  G. C. Feigl1, M. Kastner1, H. Ulz1, R. Likar1, 1Med. Univ. Graz, Inst. of Anatomy, Graz, Austria, 2Hosp. Klagenfurt, Dept. of Anesthesiology and Intensive Care, Klagenfurt, Austria

PM 307  EFFECT OF STEREOTACTIC CINGULOTOMY ON MECHANICAL, THERMAL, AND PAIN SENSITIVITY VARIES ACROSS PATIENTS  K. Christianson1, R. Srinivasan3, 1Div. Brain, Imaging and Behaviour, Systems Neuroscience, Univ. Toronto, ON, Canada, 2Dept. of Neurology and Neurosurgery, McGill Univ., Montréal, QC, Canada, 3Univ. of Wisconsin, Madison, WI, USA

PM 308  SYNAPTIC DYSFUNCTION IN HIPPOCAMPUS CONTRIBUTES TO THE MEMORY DEFICIT IN THE CHRONIC NEUROPATHIC PAIN: THE ROLE OF TNF-α  X. Liu, W. Ren, Pain Res. Ctr., Sun Yat-sen Univ., Guangzhou, China

PM 309  INVESTIGATION FOR NEUROGENESIS OF ADULT WISTAR RATS AFTER MIDDLE CEREBRAL ARTERY OCCLUSION BY FINGERTIP-BLOODLETTING TREATMENT  Y. Zhao, Y. Guo, C. Wang, Dept. of Acupuncture and Moxibustion, Tianjin Univ. Traditional Chinese Med., Tianjin, China

PM 310  THE MEDIAL SEPTUM FACILITATES NOCICEPTION  J. Z. Ye1, A. T. Lee1, S. Moocdhiral, S. Khanna1, 1Physiology, Natl. Univ. of Singapore, Singapore, Singapore, 2DSO Natl. Lab., Singapore, Singapore

PM 311  ACTIVATION OF TRP1 ON DURAL AFFERENTS PRODUCES MIGRAINE-RELATED PAIN BEHAVIOR IN RATS  R. M. Edelman1, J. Yan1, X. Wei1, R. Nassin1, S. Materazzi2, P. Geppetti2, F. Porreca3, G. Dusso1, 1Dept. of Pharmacology, Univ. of Arizona, Tucson, AZ, USA, 2Dept. of Pharmacology and Headache Ctr., Univ. of Florence, Florence, Italy

PM 312  PROJECTION OF MRGPRD-EXPRESSING NON-PEPTIDERIC AFFERENTS TO MOUSE TOOTH PULP  M. Chung1, S. Jue2, X. Dong3, 1Dept. of Neural and Pain Sci., Univ. of Maryland Dental Sch., Baltimore, MD, USA, 2Dept. of Oral Anatomy, Kyung Hee Univ., Sch. of Dentistry, Seoul, Korea, Republic of, 3The Solomon H. Snyder Dept. of Neurosci., Johns Hopkins Univ., Sch. of Med., Baltimore, MD, USA

PM 313  ADMINISTRATION OF A MONOClonAL ANTIBODY TO CALCITONIN GENE-RELATED PEPTIDE REDUCES LEUCOCYTE INFILTRATION IN INFAMED FERRET TOOTH PULP  K. E. Bowler1, M. A. Worsley2, J. M. Yates1, L. Broad3, E. Sher3, R. Benschof3, K. Johnson3, P. P. Robinson1, F. M. Boissoande1, 1Univ. of Sheffield, Sheffield, United Kingdom, 2Eli Lilly, Windlesham, United Kingdom, 3GlaxoSmithKline, Harlow, United Kingdom

PM 314  A CIRCUIT FOR STRESS-INDUCED ALLODYnia FOLLOWING TRIPAT-INDUCED LATENT SENSITIZATION  M. De Felice1, M. H. Ossipov1, G. Dusso1, D. Dodick1, F. Porreca1, 1Pharmacology, Univ. of Arizona, Tucson, AZ, USA, 2Mayo Clinic, Scottsdale, AZ, USA

PM 315  EXPRESSION OF PHOSPHORYLATED ERK IS INCREASED BY TOOTH PULP INFLAMMATION  M. A. Worsley1, C. E. Allen1, A. Billinton1, N. M. Clayton2, A. E. King1, F. M. Boissoande1, 1Univ. of Sheffield, Sheffield, United Kingdom, 2GlaxoSmithKline, Harlow, United Kingdom, 3Univ. of Leeds, Leeds, United Kingdom

PM 316  A RODENT MODEL OF TRIGEMINAL NEURALGIA  M. Klyukinov1, N. A. Manering, J. M. Cuellar, C. J. Gomes, D. C. Yeomans, Anesthesia, Univ. of Toronto, ON, Canada, 2Dept. of Anesthesiology and Intensive Care, Klagenfurt, Austria

PM 317  ACID-INDUCED CGRP RELEASE FROM THE STOMACH DOES NOT DEPEND ON TRPV1 AND ASIC3  J. Auer1, P. W. Reeh1, M. J. Fischer1, 1Inst. of Physiology and Pathophysiology, Univ. of Erlangen-Nuremberg, Erlangen, Germany, 2Dept. of Pharmacology, Univ. of Cambridge, Cambridge, United Kingdom

PM 319  SYNERGISTIC ROLE OF TRPV1 AND TRPA1 IN PANCReATIC PAIN AND INFLAtMAtion  E. S. Schwartz1, J. A. Christianson, X. Chen, B. M. Davis, K. M. Albers, G. F. Gebhart, Univ. of Pittsburgh, Pittsburgh, PA, USA

PM 320  CHARACTERIZATION OF SENSORY NEURONS INNERVATING MULTIPLE PELvic ORGANS IN FEMALE MICE  M. F. Gowen, J. A. Christianson, Med., Univ. of Pittsburgh, Pittsburgh, PA, USA

PM 321  ANTINOCICEPTIVE EFFECT OF AN ANALOGUE OF INDOMETHACIN WITHOUT CAUSING GASTRIC DAMAGE IN MICE  M. De la O-Arciniega1,2, A. Téllez-Téllez1, M. Sánchez-Zavala2, M. Meléndez-Rodriguez2, O. Suárez-Castillo1, 1Área Académica de Farmacia, Inst. de Ciencias de la Salud, Univ. Autónoma del Estado de Hidalgo, Pachuca de Soto, Hgo., Mexico, 2Área Académica de Química, Univ. Autónoma del Estado de Hidalgo, Pachuca de Soto, Hgo., Mexico

PM 322  A GENETIC MODEL OF SPONTANEOUS PANCREATIC CANCER AND ASSOCIATED CHANGES IN THE PANCReATIC SENSORY INNERVATION AND FUNCTION  R. E. Stopeckyzyn1, H. Ying2, R. A. DePinho1, E. S. Schwartz1, K. M. Albers1, B. M. Davis1, K. Bielefeldt1, Med., Univ. of Pittsburgh, Pittsburgh, PA, USA, 2Dana-Farber Inst., Boston, MA, USA, 3Anesthesiology, Univ. of Pittsburgh, Pittsburgh, PA, USA

PM 323  IMPACT OF A CLINICAL PATHWAY IN DECREASING MODERATE TO SEVERE PAIN IN A UNIVERSITY HOSPITAL IN COLOMBIA, SOUTH AMERICA A. M. Cadavid1, T. Mayungo2, J. M. Mendoza1, I. B. Berrio1, N. D. Gomez2, 1Anesthesiology, Univ. de Antioquia, Faculty of Med., Medellin, Colombia, 2Pain Unit, Hosp. Univ. San Vicente de Paul, Medellin, Colombia

PM 324  THE VARIABLE TANDEM REPEATES (VNTR) POLYMPHISM IN IL-1 RECEPTOR ANTAGONIST GENE (IL1RN) INTRON 2 IS ASSOCIATED WITH CIRCULATING IL-1RA LEVELS AND OPIOID CONSUMPTION  K. A. Candiotti, Z. Yang, N. A. Crescimone, S. Chin, M. Gitlin, Anesthesia, Perioperative Med. and Pain Management, Univ. of Miami, Miami, FL, USA

PM 325  TO COMPARE THE EFFICACY OF EPIDURAL BUTORPHANOL AND TRAMADOL FOR POSTOPERATIVE ANALGESIA IN PATIENTS UNDERGOING LOWER LIMb SURGERIES  S. Singh, R. Gupta, S. Kaur, K. S. Aujla, Anesthesia, SGROJMSR, Amritsar, Punjab, India
PM 329 PRIMARY CARE PHYSICIAN OPINION SURVEYS ON PROPOSED FDA OPIOID RISK EVALUATION & MITIGATION STRATEGIES (REMS) K. A. Stevin, M. A. Ashburn, J. C. Ballantyne, Anesthesiology & Critical Care, Univ. of Pennsylvania, Philadelphia, PA, USA

PM 330 PREDICTION OF POSTOPERATIVE PAIN BY PREOPERATIVE PRESSURE PAIN ASSESSMENT USING A SELF ASSEMBLED PRESSURE ALGOMETER IN PATIENTS UNDERGOING LAPAROSCOPY CHELOCECTOMY H. Usman, M. M. Khan, O. A. Siddiqui, M. M. Siddiqui, A. Jamal, Anesthesiology, JNMMC, AMU, Alligarh, India

PM 331 A RANDOMIZED PHASE I TRIAL EVALUATING THE ANTIHYPERALGESIC AND ANALGESIC EFFECTS OF 50%-50% N2O-O2: A RISK-STRATIFIED, DOUBLE-BLIND, RANDOMIZED, PLACEBO-CONTROLLED CROSSOVER STUDY Z. Valayeva Frost1, A. Nigam2, D. Taylor2, 1InterX Clinic, Cheltenham, UK, 2Dept. of Anesthesiology, JNMCH, AMU, Aligarh, India

PM 332 PREOPERATIVE ADMINISTRATION OF OXYCODONE IN THE MANAGEMENT OF PAIN AFTER UTERINE FIBROID EMBOLIZATION G. M. Freire1, I. D. Posso1, D. M. May1, M. L. Oliveria1, Anesthesiology, Univ. of São Paulo, São Paulo, Brazil, 3Anesthesiology, Albert Einstein Hosp., São Paulo, Brazil, 4Anesthesiology, Albert Einstein Hosp., São Paulo, Brazil, 5Albert Einstein Hosp., Univ. of São Paulo, São Paulo, Brazil

PM 333 PROLONGED POSTOPERATIVE ANALGESIC EFFECT WHEN LOW-DOSE KETAMINE IS ADDED TO A NONSTEROIDAL ANTIINFLAMMATORY DRUG AT CHILDREN AFTER THORACIC SURGERY D. Dmytriieva, K. Dmytriiev, Anesthesiology, Vinnitsa Natl. Med. Univ., Vinnitsa, Ukraine

PM 334 ERRORS OF EPIDURAL LOCAL ANESTHETIC DRUGS ADMINISTERED VIA THE INTRAVENOUS ROUTE T. A. Nguyen, Dept. of Anesthesiology, Univ. Med. Ctr., Hochiminh City, Vietnam


PM 338 REPERCUSSION OF INTRAVENOUS LIDOCAINE ON IL-6 PLASMA LEVELS IN HYSTERECTOMY R. K. Sakata, A. M. Issy, R. Salomão, C. M. Oliveira, Anesthesiology, Univ. Federal de São Paulo, São Paulo, Brazil

PM 339 EVALUATION OF THE ANALGESIC EFFECT OF INTRAVENOUS LIDOCAINE FOR HYSTERECTOMY C. M. Oliveira, A. M. Issy, A. Slultiteit, R. K. Sakata, Anesthesiology, Univ. Federal de São Paulo, São Paulo, Brazil

PM 340 ELECTROMAGNETIC FIELDS EVALUATION IN PATIENTS WITH LUMBAR RADIOLUPOPATHY I. Fedotova, Vertebrology, Sytkeno Inst. of Spine and Joints Pathology, Kharkov, Ukraine

PM 341 NON-INVASIVE INTERACTIVE NEUROSTIMULATION (INTERX®) AS A DJUNCT FOR PAIN CONTROL IN PATIENTS FOLLOWING TOTAL KNEE REPLACEMENT: A RANDOMIZED, CONTROLLED PILOT STUDY Z. Valayeva Frost, A. Nigam, D. Taylor, 1InterX Clinic, Cheltenham, United Kingdom, 2Prince Philip Hosp., Llanelli, United Kingdom

PM 342 ANALGESIC EFFECTS OF MILNACIPRAN IN TWO VISCERAL PAIN MODELS IN RODENTS L. Bardin1, D. Arditi1, M. Allaga1, R. Deportore1, A. Newman-Tancredi1, 2Div. of Neurobiology 2, Inst. of Res. Pierre Fabre, CASTRES, France, 3Med. Laboratory of Pharmacology, Faculty of Med., Clermont-Ferrand, France

PM 343 DELINATING THE RELATIVE ROLES OF 5-HT AND NOREPINEPHRINE THROUGH USE OF SELECTIVE REUPTAKE INHIBITORS IN A RAT MODEL OF NEUROPATHIC PAIN G. Bahamouni, D. Chehayeb, F. McIntosh, AstraZeneca R&D Montréal, Montréal, QC, Canada

PM 344 DULOXETINE FOR CONTROL OF POORLY RESPONDING NEUROPATHIC PAIN (RETROSPECTIVE FOLLOW-UP OF 11 PATIENTS) D. Vondrackova, D. Kordova, Pain Management Ctr., Teaching Hosp. Bulovka, Prague, Czech Republic

PM 345 INTRATHecal ANALGESIA FOR REFRACtory PAIN M. Athauar, D. Bracco, G. Hunt, J. Asenjo, Anesthesia, McGill Univ., Montréal, Canada

PM 346 DRUG INTERACTIONS IN PALLIATIVE CARE PATIENTS WITH POLYPHARMACY: FOCUS ON HYDROMORPHONE K. E. Clemens, I. Quednau, E. Klaschik, Dept. of Sci. and Research, Ctr. for Palliative Med., Univ. of Bonn, Malselter Hosp. Bonn/Rhein-Sieg, Bonn, Germany

PM 347 PALLIATIVE CARE SYSTEM DEVELOPMENT IN TAJIKISTAN Z. Kurbambekeva, Publ. Hlth. Program, Open Society Inst.-Tajikistan, Dushanbe, Tajikistan

PM 348 CONTINUOUS SUBCUTANEOUS INFUSIONS: IDENTIFICATION OF COMMONLY USED OPIOIDS AND ANALYSIS OF DOSES EMPLOYED A. Dickman, Marie Cure Palliative Care Inst., Liverpool Univ., Liverpool, United Kingdom


PM 350 THE EFFICACY OF FENTANYL PECTIN NASAL SPRAY COMPAred with IMMEDIATE-RELEASE MORPHINE SULPHATE IN BREAKTHROUGH CANCER PAIN EVALUATED IN A RANDOMIZED DOUBLE-BLIND, DOUBLE-DUMMY CROSSOVER STUDY M. Fallon1, C. Reale1, L. Lynch1, T. Sitter1, E. A. Lux2, R. Galvez3, 1Edinburgh Cancer Res. Ctr., Edinburgh, United Kingdom, 2Sapienza Univ. of Rome, Rome, Italy, 3St. James’s Inst. of Oncology, Leeds, United Kingdom, 4PalliativNetz Osthessen, Fulda, Germany, 5St. Marien-Hosp., Lünen, Germany, 6Unidad del Dolor/ Hosp. Virgen de las Nieves, Granada, Spain

PM 351 14-METHOXYMETETON INHIBITS THERMAL AND MECHANICAL HYPERSENSITIVITY IN A MOUSE MODEL OF CANCER PAIN M. Spetea1, M. F. Asim1, C. R. Bohtin1, C. E. Constantini1, H. Schmidhammer1, M. Kress2, 1Inst. of Pharmacy, Dept. of Pharmaceutical Chemistry, CMBI, Univ. of Innsbruck, Innsbruck, Austria, 2Dept. of Physiology and Med. Physics, Div. of Physiology, Innsbruck Med. Univ., Innsbruck, Austria

PM 352 A RANDOMIZED, PLACEBO CONTROLLED, DOUBLE-BLIND FLEXIBLE DOSE STUDY OF NABILONE AS ADJUVANT THERAPY IN MANAGEMENT OF NEUROPATHIC PAIN ASSOCIATED WITH DIABETIC PERIPHERAL NEUROPATHY S. Mawani, S. Brady, A. Garven, C. Liu, J. Bestard, L. Korngut, C. Toth, Clinical Neurosci., Univ. of Calgary, Calgary, AB, Canada

PM 353 CANNABINOID ABUSE POTENTIAL (CAPO) STUDY: PRELIMINARY RESULTS M. A. Ware1, M. E. Lynch1, J. Singer1, R. Jovey1, 1Anesthesia and Family Med., McGill Univ., Montréal, QC, Canada, 2Anesthesia, Psychiatry and Pharmacology, Dalhousie Univ., Halifax, NS, Canada, 3Sch. of Population and Publ. Hlth., Univ. of British Columbia, Vancouver, BC, Canada, 4Cts for Pain Management, Mississauga, ON, Canada

PM 354 CANNABINOIDS AS POTENTIAL PERIPHERAL ANALGESICS N. B. Ruparel, CSB, UTHSCSA, San Antonio, TX, USA
PM 355 COMPARISON OF PARARETROPERITONEAL BLOCK OF PATIENTS OF BACKACHE WITH RADICULOPATHY, WITH AND WITHOUT IMAGE INTENSIFIER. S. Farooq, Orthopaedics, Shahzad Surgery Hosp., Lahore, Pakistan

PM 356 GLOSSOPHARYNGEAL NERVE BLOCK WITH COMBINATION OF LOCAL ANAESTHETIC AND STEROID IN TERMINALLY ILL HEAD AND NECK CANCER PATIENTS. N. Malhotra, Anaesthesiology, Pt.B.D.S. Post Graduate Inst. of Med. Sci., Rohtak (Haryana), India

PM 357 TRANSVERSUS ABDOMINIS PLANE BLOCKS REDUCE PCA MORPHINE CONSUMPTION WHEN COMPARED TO HISTORICAL CONTROLS IN PATIENTS UNDERGOING TOTAL ABDOMINAL HYSTERECTOMY, EVEN IN THE HANDS OF A NOVICE. J. Maybùh, B. Evans, Anaesthetics, Glasgow Royal Infirmary, Glasgow, United Kingdom

PM 358 COMPARISON OF EFFECTIVE OF LUMBAR TRANSFORAMINAL EPIDURAL INJECTION WITH PARTICULATE AND NONPARTICULATE CORTICOSTEROID IN LUMBAR DISC HERNIATION. C. Park, S. Lee, Daegu Woondul Hosp., Daegu, Korea, Republic of Korea


PM 361 INFLUENCE OF Ilioguinal-Iliohypogastric Block, ADDED TO CAUDAL BLOCK, ON PAIN CONTROL IN THE SURGERY OF INGUINAL CHANNEL AND TESTICLE IN CHILDREN. C. Tanase, Clinical Emergency Hosp. for Children “Grigore Alexandrescu”, Bucharest, Romania


PM 363 TREATMENT OF INTRACTABLE ALLODYNA AFTER ISOLATED MEDIAN NERVE COMPRESSION INJURY WITH TRANSCUTANEOUS ELECTRICAL NERVE STIMULATION (TENS): A CASE STUDY. M. Coradi, P. Willmann, D. Spahn, K. Maurer, Inst. of Anaesthesiology, Univ. Hosp. Zurich, Zurich, Switzerland


PM 366 PERIPHERAL SUBCUTANEOUS FIELD STIMULATION VS. SACRAL NERVE ROOT STIMULATION IN THE MANAGEMENT OF REFRACTORY COCCYGDYNYIA (PRELIMINARY REPORT). A. Woo, A. Alkaysi, S. Bacihi, T. Goroszeniuk, Pain Management, St Thomas’ Hosp., London, United Kingdom

PM 367 MOTOR CORTEX STIMULATION FOR CENTRAL PAIN: CASE REPORT. P. C. Piedmonte, A. Galati, P. E. Graff, Neurosurgery, CENNIT, Buenos Aires, Argentina

PM 368 ABNORMALITIES IN BRAIN MORPHOLOGY IN A DBS COHORT OF CHRONIC PAIN. P. Schneider, P. Hansen, L. Moir, M. Paranathala, G. Guagebeur, A. Green, T. Azziz, Neurosurgery, Oxford Univ., Oxford, United Kingdom, Physiology, Anatomy and Genetics, Oxford Univ., Oxford, United Kingdom, 2Neuroradiology, John Radcliffe Hosp., Oxford, United Kingdom

PM 369 SUBCUTANEOUS FIELD STIMULATION FOR REFRACTORY LOW BACK PAIN. B. Rutschmann, C. Perruchoud, A. Durrer, B. Depeineraz, C. Koeppe, E. Buchser, Dept. of Anaesthesiology and Pain Management, Ctr. for Neuromodulation, Hosp. of Morges, Morges, Switzerland, Dept. of Anaesthesiology, Clinique de Valère, Sion, Switzerland


PM 371 THE SYNTHETIC ENDOMORPHIN-1 ANALOG, CTY-1010, INHIBITS SENSORY NEUROPEPTIDE RELEASE AND ACUTE NEUROGENIC INFLAMMATION IN RAT AND MOUSE MODELS. Z. Helyes, A. Kemenyi, K. Elekes, E. Pinter, Z. S. Szolcosy, T. E. Maione, Dept. of Pharmacology and Pharmacotherapy, Univ. of Pecs, Pecs, Hungary, PharmInVivo Ltd., Pecs, Hungary, Cytoqel Pharma LLC, Darlen, Cit, USA


PM 377 BETA 1 ANTAGONIST (METROPOLRO) DIMINISH NEURAL NOCICEPTIVE RESPONSES. P. Lamothe Molina, A. Molo Carillo, F. Aguirre Barrios, A. Castillo Tovar, A. Lopez Avila, Laboratorio de Neurofisiologia de la Percepcion, Inst. Nat. de Psiquiatria Ramón de la Fuente Muñiz México, Mexico, Mexico, Univ. Nat. Autónoma de México, Mexico, Mexico, Univ. La Salle, Mexico, Mexico, Univ. Autónoma Metropolitana, Mexico, Mexico

PM 378 IV KETAMINE FOR NEUROPATHIC PAIN IN THE OUTPATIENT CLINIC. J. Krusz, J. Cagle, ANODYNE Headache & PainCare, Dallas, TX, USA
PM 379 A PHASE II RANDOMIZED CONTROLLED TRIAL EVALUATING THE EFFICACY AND SAFETY OF THE TRPV1-ANTAGONIST AZD1386 IN OSTEOARTHRITIS OF THE KNEE

PM 380 THE TRPV1 ANTAGONIST AZD1386 INHIBITS CAPSAICIN AND HEAT EVOKED PAIN IN HEALTHY VOLUNTEERS

PM 381 IN VIVO CHARACTERIZATION OF THE NOVEL FAAH INHIBITOR

PM 382 EFFECTS OF FATTY ACID AMIDO HYDROLASE (FAAH) AND NITRIC OXIDE SYNTHASE (NOS) INHIBITION ON THE ANALGESIC ACTIVITY OF PARACETAMOL AND DICLOFENAC

PM 383 RESTLESS LEGS SYNDROME FOLLOWING ORAL DIPYRONE

PM 384 THE EFFICACY AND SAFETY OF IV PARACETAMOL IN COMPARISON WITH IV FENTANYL IN ICU PATIENTS

PM 385 PHARMACOKINETICS (PK) OF DYLJECT®, A NOVEL PARENTERAL DICLOFENAC FORMULATION: SINGLE VERSUS MULTIPLE DOSES AND USE IN SPECIAL POPULATIONS

PM 386 INDOXYL SULFONATE (IND) INHIBITION, SUBSTRATE ELEVATION, AND EXPOSURE IN MODELS OF INFLAMMATORY PAIN

PM 387 ACTIVITY OF PARACETAMOL AND DICLOFENAC NITRIC OXIDE SYNTHASE (NOS) INHIBITION ON THE ANALGESIC IN VIVO CHARACTERIZATION OF THE NOVEL FAAH INHIBITOR

PM 388 THE Efficacy and SAFETY OF IV PARACETAMOL IN COMPARISON WITH IV FENTANYL IN ICU PATIENTS

PM 389 EFFICACY AND SAFETY OF BUPRENORPHINE TRANSDERMAL SYSTEM FOR PATIENTS WITH CHRONIC LOW BACK PAIN: A RANDOMIZED, PLACEBO-CONTROLLED, DOUBLE-BLIND, PARALLEL-GROUP STUDY

PM 390 THE PROGRESS OF LONG TERM METHADONE CONSUMPTION IN A GROUP OF CHRONIC NON-MALIGNANT PAIN PATIENTS: A PILOT STUDY

PM 391 EFFECTIVENESS, SAFETY AND QUALITY OF LIFE OUTCOME OF FENTANYL TRANSDERMAL PATCH AMONG FILIPINO PATIENTS WITH OSTEOARTHRITIS AND CHRONIC LOW BACK PAIN

PM 392 METHADONE: A REDISCOVERY IN PAIN MANAGEMENT

PM 393 LONG-TERM FOLLOW-UP AFTER INPATIENT OPIOID WITHDRAWAL IN PATIENTS WITH CHRONIC NON-CANCER PAIN

PM 394 THE CANADIAN GUIDELINE FOR SAFE AND EFFECTIVE USE OF OPIOIDS FOR CHRONIC NON-CANCER PAIN

PM 395 TRANSFORAMINAL INJECTION OF MAGNESIUM FOR CHRONIC POST-THRORACOTOMY PAIN SYNDROME: NEW APPROACH OF AN OLD DRUG

PM 396 CUTTING OF INTRATHecal CATHETER AND REMAINED INTRATHecal FRAGMENT IN PATIENT WHO HAS INTRATHecal PUMP INJECTION TO PUBIS SYMPHYSIS IN POSTPARTUM PUBIS SYMPHYSIS DYSFUNCTION: FOUR CASE REPORTS

PM 397 EFFECTIVENESS OF METHYLPRERIDINOLONE INJECTION TO PUBIS SYMPHYSIS IN POSTPARTUM PUBIS SYMPHYSIS DYSFUNCTION: FOUR CASE REPORTS

PM 398 AN EVALUATION OF TRANSFORAMINAL VERSUS ENDOCOSCOPIC EPIDUROPLASTY IN POSTLUMBAR LAMINECTOMY SYNDROME

PM 399 COMBINED SPINAL EPIDURAL FOR LABOUR ANALGESIA: A COMPARISON BETWEEN LEVOBUPIVACAINE-FENTANYL WITH LEVOBUPIVACAINE-TRAMADOL

PM 400 CERVICAL EPIDURAL PRESSURE MEASUREMENT: COMPARISON IN THE PRONE AND SITTING POSITIONS

PM 401 PROGRAMME ACCORD: PREVALENCE OF USE OF COMPLEMENTARY AND SELF-MANAGEMENT THERAPIES IN PATIENTS WITH NONCANCER CHRONIC PAIN

PM 391 EFFICACY AND SAFETY OF BUPRENORPHINE TRANSDERMAL SYSTEM FOR PATIENTS WITH CHRONIC LOW BACK PAIN: A RANDOMIZED, PLACEBO-CONTROLLED, DOUBLE-BLIND, PARALLEL-GROUP STUDY

PM 392 METHADONE: A REDISCOVERY IN PAIN MANAGEMENT

PM 393 LONG-TERM FOLLOW-UP AFTER INPATIENT OPIOID WITHDRAWAL IN PATIENTS WITH CHRONIC NON-CANCER PAIN

PM 394 THE CANADIAN GUIDELINE FOR SAFE AND EFFECTIVE USE OF OPIOIDS FOR CHRONIC NON-CANCER PAIN

PM 395 TRANSFORAMINAL INJECTION OF MAGNESIUM FOR CHRONIC POST-THRORACOTOMY PAIN SYNDROME: NEW APPROACH OF AN OLD DRUG

PM 396 CUTTING OF INTRATHecal CATHETER AND REMAINED INTRATHecal FRAGMENT IN PATIENT WHO HAS INTRATHecal PUMP INJECTION TO PUBIS SYMPHYSIS IN POSTPARTUM PUBIS SYMPHYSIS DYSFUNCTION: FOUR CASE REPORTS

PM 397 EFFECTIVENESS OF METHYLPRERIDINOLONE INJECTION TO PUBIS SYMPHYSIS IN POSTPARTUM PUBIS SYMPHYSIS DYSFUNCTION: FOUR CASE REPORTS

PM 398 AN EVALUATION OF TRANSFORAMINAL VERSUS ENDOCOSCOPIC EPIDUROPLASTY IN POSTLUMBAR LAMINECTOMY SYNDROME

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PM 401 PROGRAMME ACCORD: PREVALENCE OF USE OF COMPLEMENTARY AND SELF-MANAGEMENT THERAPIES IN PATIENTS WITH NONCANCER CHRONIC PAIN
PM 425 ANTI-NF-κB ATTENUATES PAIN AND PREVENTS CACHEXIA INDUCED BY CARCINOMA IN MICE Y. Ye, D. K. Lam, B. L. Schmidt, Oral and Maxillofacial Surgery, Univ. of California San Francisco, San Francisco, CA, USA

PM 428 NEW EVIDENCE FOR THE INVASION OF SPINAL NEUROTROPHIN-3 IN THE ELECTROACUPUNCTURE ANALGESIA AND INHIBITION OF SPINAL GLIA AND INHIBITION OF SPINAL GLIAL ACTIVATION IN RAT MODEL OF MONOARTHRITIS W. Jin, Q. Mao-Ying, Y. Wang, G. Wu, Dept. of Integrative Med. and Neurobiology, Inst. of Acupuncture Res., Shanghai, China


PM 430 Efficacy of Electroacupuncture in Chronic Plantar Fasciitis; A Randomized Controlled Trial W. Kummerdeeg, P. Nitsara, Rehabilitation Med., Phramongkutklao Coll. of Med., Chonbuk, Thailand

PM 431 Is Acupuncture-Induced Analgesia Mediated by Diffuse Noxious Inhibitory Control? K. Strebelberg1, J. Schliebsch2, E. van der Klijf, A. Sjengehalter, 1R. Arendt-Nielsen, M. CURATOL1, 1Univ. Dept. of Anesthesiology and Pain Therapy, Inselspital Bern, Bern, Switzerland, 2Radboud Univ. Nijmegen, Med. Faculty, Nijmegen, Netherlands, 3Ctr. for Sensory Motor Interaction, Lab. of Experimental Pain Res., Univ. of Aalborg, Aalborg, Denmark


PM 434 Effect of Progressive Muscle Relaxation on Chronic Tension-Type Headache Measured by Pain Pressure Thresholds and Numerical Rating Scale P. Thegersen1, L. I. Strand2, M. R. Saugbjerg3, H. Kasch1, 1Dept. of Neurology, The Pain Clinic, Aarhus, Denmark, 2Dept. of Publ. Hlth. and Primary Care, Univ. of Bergen, Bergen, Norway, 3Dept. of Neurology, The Headache Clinic and Danish Pain Res. Ctr., Aarhus, Denmark

PM 435 Assessment of Psychological Flexibility in People with Chronic Pain: An Investigation of “Decentering” L. M. McCracken1,2, C. Smyth3, J. Gauntlett-Gilbert4, 1Ctr. for Pain Services, Royal Natl. Hosp. for Rheumatic Diseases, Bath, United Kingdom, 2Ctr. for Pain Res., Univ. of Bath, Bath, United Kingdom

PM 436 Different Patterns of Noncognitive Flexion Reflex Sensitivity and Pain Perception During Attentional and Emotional Modulation of Pain M. Roy1, A. Lebus1, I. Peretz2, P. Rainville1, 1Psychology, Univ. of Montréal, Montréal, QC, Canada, 2Medecine dentaire, Univ. de Montréal, Montréal, QC, Canada

PM 437 Development of a Nursing Virtual Intervention Tailored for Pain After Cardiac Surgery (SoulageTAVIE) G. Martorella1, 1Côtedé1, M. Choinière2, 1Faculty of Nursing, Univ. of Montréal, Montréal, QC, Canada, 2Chaire de recherche sur les nouvelles pratiques de soins infirmiers, Univ. of Montréal, Montréal, QC, Canada, 3Ctr. de recherche, Ctr. Hospitalier de l’Univ. de Montréal, Montréal, QC, Canada, 4Dept. d’Anesthésiologie, Faculté de médecine, Univ. of Montréal, Montréal, QC, Canada

PM 438 Efficacy of an Early Intervention Combining Graded Exercise Progression and Targeted Desensitization Procedures in the Treatment of Whiplash-Associated Disorders, Grades I and II: A Randomized-Controlled Trial J. Robinson1, B. R. Theodore2, H. D. Wilson2, D. C. Turk3, 1Department of Rehabilitation Med., Univ. of Washington, Seattle, WA, USA, 2Dept. of Anesthesiology & Pain Med., Univ. of Washington, Seattle, WA, USA

PM 439 Physicians’ Opinions with a Hypnotic Intervention for Acute Pain Management During a Medical Procedure L. Marc1, A. Dufresne2, P. Rainville1, S. Dodin1, Pediatrics, Univ. Laval, Quebec, QC, Canada, 2Res. Ctr. of CHUQ, Univ. Laval, Quebec, QC, Canada, 3Dept. of Stomatology, Univ. of Montréal, Québec, QC, Canada, 4Obstetrics and Gynaecology, Univ. Laval, Quebec, QC, Canada

PM 440 Evidence of Altered Working Memory Processes in Fibromyalgia Patients: An Event-Related Potential Study F. Mercado1, P. Barrios1, M. Fernandez2, Y. Fresno3, F. Gomez-Esquerr4, 1Psychology, Rey Juan Carlos Univ., Madrid, Spain, 2Anatomy and Human Embryology, Rey Juan Carlos Univ., Madrid, Spain


PM 442 Effect of Music Therapy on Chronic Pain: A Controlled Randomised Trial S. Guleta1,2, D. Kong A Siou1, 1A. Gosp1, C. Pommere1, M. Picot1, E. Lecourt2, P. Giniès2, 1Service de Neurologie, CMRR, INSERM U888, CHRU, Montpellier, France, 2Association Musicotherapie Applications Recherches Cliniques, AMARC, Paris, France, 3Ctr. d’Evaluation et de Traitement de la Douleur, CHRU, Montpellier, France, 4AMARC, Paris, France, 5Département d’Information Médical (DIM), CHRU, Montpellier, France, 6Laboratoire de Psychologie Clinique et Psychopathologie (LCPL), EA 4056, Univ. Paris-Descartes, Paris, France

PM 443 Description of Non-Pharmacological Interventions for Pain Management in the Intensive Care Unit by Patients and Nurses C. Gélina1, C. Arbour1, C. Michaud2, J. Côté3, S. Lyné4, G. Martine5, R. Jacky1, 1Sch. of Nursing, McGill Univ., Montréal, QC, Canada, 2École des Sci. infirmières, Univ. de Sherbrooke, Sherbrooke, QC, Canada, 3Faculté des Sci. infirmières, Univ. de Montréal, Montréal, QC, Canada, 4Intensive Care Unit, Jewish Gen. Hosp., Montréal, QC, Canada, 5Direction of Nursing, Jewish Gen. Hosp., Montréal, QC, Canada

PM 444 Long-Term Yoga Practitioners Are More Tolerant to Pain and Have More Grey Matter than Matched Controls: A Cross-Sectional Study C. Villeneuve, V. Cotton, M. Ceo, M. C. Bushnell, McGill Univ., Montréal, QC, Canada

PM 445 The Development of a Group Therapy Program for Women Living with Undiagnosed Chronic Pain H. A. Sharpe, Applied Psychology, Univ. of Calgary, Calgary, AB, Canada

PM 446 Empirical Subgroups of Frequency and Perceived Effectiveness of Coping Strategies in a Clinical Sample of People with Chronic Pain D. Roditi, L. B. Waxenberg, M. E. Robinson, Clinical and Hlth. Psychology, Univ. of Florida, Gainesville, FL, USA

PM 447 Relief as Pain’s Opioid Opponent Process: A Functional MRI Investigation Using High-Dose Naloxone S. Leknes, C. Bernad1, A. H. Ahmad, R. N. Mhuircheartaigh, 1FMRIB Ctr., Univ. of Oxford, Oxford, United Kingdom, 2Univ. of Gothenburg, Gothenburg, Sweden

PM 448 Effect of Palliative Care Teaching & Cinema on Nurses’ Knowledge and Attitudes Toward “Total Pain” Care of Terminally Ill Cancer Patients M. C. Manalo, M. C. Manalo, Community & Family Med., FEU-NRMF Med. Ctr., Quezon City, Philippines

PM 470 OCCUPATIONAL THERAPY PRACTICE WITH PEOPLE WITH CHRONIC PAIN IN IRELAND: A QUALITATIVE EXPLORATION B. Brennan1, O. Corcoran1, B. Irudayaraj1, S. A. Kearney1, V. Kelley1, E. Lyons1, L. Magee1, K. Robinson1, S. Vine1, 1Occupational Therapy, St. Vincent’s Univ. Hosp., Dublin, Ireland, 2Occupational Therapy, Waterford Regional Hosp., Waterford, Ireland, 3Occupational Therapy, Mercy Hosp., Cork, Ireland, 4Occupational Therapy, The Adelaide and Meath Hosp., Dublin Incorporating the Natl. Children’s Hosp., Dublin, Ireland, 5Occupational Therapy, Our Lady’s Hospice Harold’s Cross, Dublin, Ireland, 6Occupational Therapy, Belfast City Hosp., Belfast, Ireland, 7Occupational Therapy, Univ. of Limerick, Limerick, Ireland, 8Occupational Therapy, Univ. Coll. Hosp. Galway, Galway, Ireland

PM 471 COGNITIVE-BEHAVIOURAL PAIN MANAGEMENT PRIOR TO NEUROMODULATION IMPROVES SURGICAL OUTCOME J. G. Smith1, S. Barker1, V. Harding1, K. Sanderson1, A. Al-Kaisy1, INPUT Pain Management, Guy’s and St Thomas’ NHS Fndn. Trust, London, United Kingdom

PM 472 EFFECTIVENESS OF A MINDFULNESS-BASED ACCEPTANCE AND COMMITMENT THERAPY GROUP PROGRAM TO IMPROVE CHRONIC PAIN AND QUALITY OF LIFE FOR SPINAL CORD INJURED INDIVIDUALS AND SURVIVOR STRUGGLES M. L. Barnes1, J. M. Beilby2, D. J. Blacker1,3, S. A. Schulz1, 1Sch. of Med. and Pharmacology, Univ. of Western Australia, Perth, Australia, 2Sch. of Psychology and Speech Pathology, Curtin Univ., Perth, Australia, 3Neurology, Sir Charles Gardiner Hosp., Perth, Australia, 4Anaesthesia and Pain Med., Royal Perth Hosp., Perth, Australia

PM 473 RELATIONSHIP BETWEEN DEPRESSION AND CHRONIC PAIN IN CROATIAN PATIENTS A. Havelka Mestrovic1, M. Bras2, M. Biloć1, Z. Loncar1, 1Dept. of Psychiatry, Univ. Hosp. Dubrava, Zagreb, Croatia, 2Dept. of Psychological Med., Univ. Hosp. Zagreb, Zagreb, Croatia, 3Dept. of Hlth. Psychology, Univ. of Applied Hlth. Sci., Zagreb, Croatia, 4Univ. Hosp. of Traumatology, Zagreb, Croatia

PM 474 NEUROPATHIC MICE SHOWED DELAYED EMOTIONAL PHENOTYPES RELATED TO ANXIETY AND DEPRESSION Y. Yalcin-Christmann1, Y. Bohren1, E. Wallisberger1, L. H. Tessier1, M. J. Freund-Mercier1, M. Barrot1, Nociception et douleur, Inst. des neurosciences cellulaires et intégratives, Strasbourg, France

PM 475 WELL-BEING IN WOMEN WITH CHRONIC MUSCULOSKELETAL PAIN: RELATIONSHIPS WITH DEPRESSION, CATASTROPHISING AND PAIN ACCEPTANCE A. Huber1, A. L. Sumar1, V. Di Sabatino1, G. Biasi1, M. Galeazzi2, G. Carli2, 1Dip. di Scienze Biomediche, Univ. di Modena e Reggio Emilia, Modena, Italy, 2Dept. of Psychology, Univ. of Modena and Reggio Emilia, Modena, Italy

PM 476 THE INFLUENCE OF PRE-OPERATIVE PREPARATION AND INFORMATION ON CHILD PAIN INTENSITY AND PROBLEM BEHAVIOURS POST DISCHARGE N. Power1, R. F. Howard1, L. S. Franck2, 1UCI Inst. of Child Hlth., London, United Kingdom, 2UCI Inst. of Child Hlth. and Great Ormond Street Hosp., London, United Kingdom

PM 477 PSYCHOLOGICAL ASSESSMENT OF PEDIATRIC PATIENTS WITH COMPLEX REGIONAL PAIN SYNDROME S. E. Williams1, D. E. Logan1, V. Carullo1, C. Berde2, Pain Treatment Service, Children’s Hosp. Boston, Boston, MA, USA

PM 478 ALL REASSURANCE IS NOT CREATED EQUAL: ADULT REASSURANCE DURING PEDIATRIC VENIPUNCTURE C. McMurtry1, P. J. McGrath1, C. T. Chambers1, 1Psychology and Ctr. for Pediatric Pain Res., Dalhousie Univ. and IWK Hlth. Ctr., Halifax, NS, Canada, 2Psychology, Pediatrics, and Psychiatry and Ctr. for Pediatric Pain Res., Dalhousie Univ. and IWK Hlth. Ctr., Halifax, NS, Canada, 3Psychology, Pediatrics and Ctr. for Pediatric Pain Res., Dalhousie Univ. and IWK Hlth. Ctr., Halifax, NS, Canada

PM 479 EFFECT OF CRYOTHERAPY ON PAIN TOLERANCE TO ELECTRICAL STIMULATION ON INDIAN POPULATION: A PILOT STUDY N. Bansal1, Amity Inst. of Physiotherapy, Amity Univ., Noida, India

PM 480 PHYSIOTHERAPISTS ATTITUDES AND BELIEFS: HOW DO THEY PREDICT TREATMENT RECOMMENDATIONS? T. Derghazarian1, M. J. Simmonds1, J. Vlaeyen1, 1Constance Lethbridge Rehabilitation Ctr., Montréal, QC, Canada, 2Sch. of Physical & Occupational Therapy, McGill Univ., Montréal, QC, Canada, 3Dept. of Psychology, Univ. of Leuven, Leuven, Belgium

PM 481 STUDY REGARDING THE EVOLUTION OF PAIN AND DISABILITY IN REHABILITATION AFTER CARPAL TUNNEL RELEASE A. S. Nica1, G. Mologhianu1, A. Murgu1, B. I. Mitoiu1, C. Brăilescu1, M. I. Moise1, Rehabilitation, Carol Davila Univ. of Med. and Pharmacy, Bucharest, Romania

PM 482 EFFICACY OF RED BOX ELECTROTHERAPY WITH REHABILITATION THERAPY ON CHRONIC MUSCULOSKELETAL PAIN M. Tomanovic1, A. V. Rokanovic1, P. Suvak1, 1Inst. of Rehabilitation, Brandys nad Orlici, Czech Republic, 2Comprehensive Care Consultants, Los Angeles, CA, USA, 3Faculty of Electrical Engineering, Czech Technical Univ., Prague, Czech Republic

PM 483 OSTEOPATHIC MANIPULATION REDUCES PAIN AND IMPROVES QUALITY OF LIFE B. F. Degenhardt1, J. C. Johnson2, A. T. Still Res. Inst., Kirksville, MO, USA


PM 485 A SURVEY OF PAIN ATTITUDES AND ITS CLINICAL CORRELATES IN AN ELDERLY COMMUNITY POPULATION S. Yang, Psychology Services, Tan Tock Seng Hosp., Singapore, Singapore

PM 486 THE RELATIONSHIP BETWEEN ADULT ATTACHMENT CHARACTERISTICS AND RATINGS OF ANOTHER’S PAIN S. Bailey1, L. McWilliams1, 1Univ. of New Brunswick, Fredericton, NB, Canada, 2Acadia Univ., Wolfville, NS, Canada

PM 487 EFFECTS OF RESPONSIBILITY AND MOOD ON PERSISTENCE ON A PHYSICALLY STRENUOUS AND PAINFUL COMPUTER TASK K. Ceulemans1, P. A. Karsdorp1, J. W. Vlaeyen1, 1Dept. of Clinical Psychological Sci., Maastricht Univ., Maastricht, Netherlands, 2Dept. of Psychology, Univ. of Leuven, Leuven, Belgium

PM 488 SOCIAL ASPECTS OF THE ELICITATION CONTEXT AND THEIR INFLUENCE ON PAIN EXPRESSIION A. Streff1, G. Michaux1, N. Epling2, F. Anton1, Lab. of Psychobiology, Univ. of Luxembourg, Luxembourg, Luxembourg


PM 490 CHEST PAIN, AN ALLODYNIC MANIFESTATION OF MIGRAINE C. J. Roldan1, Emergency Med., Univ. of Texas, Houston, TX, USA
### Tuesday, August 31, 2010

*(Topics and locations are subject to change)*

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<td>08:15-09:30</td>
<td><strong>PLENARY SESSION</strong></td>
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<td><em>Orofacial Pain, Kenneth M. Hargreaves</em></td>
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<td>Ulf Lindblom Young Investigator Award for Clinical Science</td>
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<td>Christine T. Chambers</td>
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<td>PL 05</td>
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<td><em>Diagnosis and Assessing Neuropathic Pain: The Saga of Clinical Tools, Didier Bouhassira</em></td>
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<td>09:30-10:30</td>
<td><strong>POSTER DISCUSSIONS (EVEN-NUMBERED POSTERS)</strong></td>
<td>Hall 220</td>
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<td>10:15-10:45</td>
<td><strong>MORNING BREAK</strong></td>
<td>Hall 220</td>
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<tr>
<td>10:45-12:15</td>
<td><strong>TOPICAL SYMPOSIA AND WORKSHOPS</strong></td>
<td>Room 510</td>
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<td><strong>TS 22</strong></td>
<td>Room 511</td>
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<td><em>CANNABINOIDS FOR THE TREATMENT OF PAIN: AN UPDATE</em></td>
<td>Room 513</td>
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<td>P. Beaulieu, T. Nurmikko, D. Piomelli</td>
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<td><strong>TW 23</strong></td>
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<td><em>ADAPTIVE AND MALADAPTIVE RESPONSES TO MUSCULOSKELETAL PAIN: PSYCHOLOGICAL FLEXIBILITY VERSUS CATASTROPHIZING, PAIN-RELATED FEAR-AVOIDANCE AND ENDURANCE</em></td>
<td>Room 515</td>
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<td>M. Hasenbring, M. Sullivan, S. Van Damme</td>
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<td><strong>TW 24</strong></td>
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<td><em>SYNAPTIC MECHANISMS OF HYPERALGESIA</em></td>
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<td>R. Drdla, X. Liu, J. Sandkühler, R. Treede</td>
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<td><strong>TS 25</strong></td>
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<td><em>NEW FINDINGS ON THE REGULATION OF NMDA AND AMPA RECEPTORS IN PAIN</em></td>
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<td>M. Christie, J. Laird, J. Mao, H. Ueda</td>
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<td><strong>TW 26</strong></td>
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<td><em>THE PAIN CLINICIAN AS AN EXPERT WITNESS</em></td>
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<td>C. Arnold, R. Atkinson, G. Mendelson, H. Merskey</td>
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<td><strong>TS 27</strong></td>
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<td><em>OROFACIAL PAIN: CREATED BY NERVE INJURY, EVALUATION AND THERAPY</em></td>
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<td>R. Benoliel, E. Eliav, S. Graff-Radford</td>
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<td><strong>TS 28</strong></td>
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<td><em>MILITARY PAIN CARE: RESEARCH, POLICY AND PRACTICE</em></td>
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<td>D. Aldington, R. Kerns, L. McGhee</td>
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<td><strong>TW 29</strong></td>
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<td><em>FIBROMYALGIA – FROM GENES TO PATIENTS. HOW CAN RECENT DEVELOPMENTS IN BASIC AND CLINICAL RESEARCH BE IMPLEMENTED IN CLINICAL PRACTICE?</em></td>
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<td>D. Buskila, C. Cedraschi, E. Kosek</td>
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<td><strong>TS 30</strong></td>
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<td><em>COGNITIVE BIAS IN PAIN: RECENT DEVELOPMENTS AND PAIN MANAGEMENT PERSPECTIVES</em></td>
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<td>N. Carleton, M. Dehghani, L. Vancleef</td>
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<td><strong>TW 31</strong></td>
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<td><em>GENE THERAPY FOR PAIN</em></td>
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<td>A. Beutler, D. Fink, L. Jasmin, M. Pohl</td>
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<td><strong>TW 32</strong></td>
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<td><em>UNMET NEEDS IN POST OPERATIVE PAIN TREATMENT</em></td>
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<td>J. Dahl, D. Fletcher, K. Petersen, E. Pogatzki-Zahn</td>
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<td>12:15-13:45</td>
<td>LUNCH BREAK&lt;br&gt;(Food available for purchase in Hall 220, 7th Level Cafeteria, Palais concourse, local hotels &amp; restaurants)</td>
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<td>13:45-14:45</td>
<td>PLENARY SESSION&lt;br&gt; JOHN D. LOESER DISTINGUISHED LECTURE: Advancing Pain and Palliative Care Globally: Challenges and Opportunities, Kathleen Foley&lt;br&gt; PL 06 Acupuncture Analgesia: Consensus and Controversies, Ji-Sheng Han</td>
<td>Hall 517</td>
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<td>14:45-15:45</td>
<td>POSTER DISCUSSIONS (ODD-NUMBERED POSTERS)</td>
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<td>15:30-16:00</td>
<td>AFTERNOON BREAK</td>
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<td>18:15-19:45</td>
<td>COMPANY-SPONSORED ASSOCIATED SYMPOSIA&lt;br&gt; Boston Scientific&lt;br&gt; The Science of Neuromodulation for Pain Management&lt;br&gt; Grunenthal GmbH&lt;br&gt; A New Way of Treating Chronic Severe Pain: Tapentadol and the MOR-NRI Concept&lt;br&gt; Mundipharma International Limited&lt;br&gt; Overcoming the Challenges of Pain Management: The Need for Innovative Approaches&lt;br&gt; ProStrakan, Inc.&lt;br&gt; Therapeutic Management of Breakthrough Cancer Pain</td>
<td>Room 511, Room 710 A, Hall 517 BC, Room 516</td>
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Tuesday Poster Session

All posters are displayed in Hall 220 between 08:15 and 17:30. Even-numbered posters will present between 09:30 and 10:30. Odd-numbered posters will present between 14:45 and 15:45.

PT 001 THE EFFECT OF PREGNANCY ON TEMPORAL SUMMATION AND PAIN AT VENOUS PUNCTURE A. Gubin , Y. Chashi, A. Doherty, J. C. Carvalho, Anesthesiology and Pain Management, Mount Sinai Hosp., Toronto, ON, Canada

PT 002 EFFECTIVENESS OF AN ACUTE PAIN SERVICE AFTER 5 YEARS OF ITS INCEPTION IN A CANCER HOSPITAL - A PATIENT SATISFACTION SURVEY P. Jain, A. Chatterjee, S. Bakshi, Dept. of Anesthesia, Tata Mem. Hosp., Mumbai, India

PT 003 SKIN CONDUCTANCE MEASUREMENT COMPARED WITH VALIDATED BEHAVIORAL PAIN SCALES FOR PAIN ASSESSMENT IN BRAZILIANS NEONATES M. B. Affiolo, N. V. Martins, M. M. Oliveira, R. Tristão, J. L. Jesus, Children and Adolescent Area, Univ. of Brasilia, Brasilia, Brazil

PT 005 PAIN DESCRIPTORS FOR CRITICALLY ILL PATIENTS UNABLE TO SELF REPORT L. Rose1, L. Haslam2, C. Dale3, L. Knechtel4, M. McGillion5, 'Lawrence S. Bloomberg Faculty of Nursing, Univ. of Toronto, Toronto, ON, Canada, 1Anesthesia, Sunnybrook Hlth. Sci. Ctr., Toronto, ON, Canada, 2Critical Care, Sunnybrook Hlth. Sci. Ctr., Toronto, ON, Canada

PT 006 ASSESSING CHRONIC PAIN IN NURSING HOME RESIDENTS WITH DEMENTIA S. C. van Nispen tot Pannerden1, M. J. Candel1, S. M. Zwikhaïeni1, J. P. Hamers1, L. M. Curfs1, M. P. Berger2, 'Methodology and Statistics, Maastricht Univ., Maastricht, Netherlands, 3Hlth. Care and Nursing Sci., Maastricht Univ., Maastricht, Netherlands, 4Clinical Genetics, Academic Hosp. Maastricht, Maastricht, Netherlands

PT 007 EVALUATION OF QUANTITATIVE SENSORY TESTING AND HEART RATE VARIABILITY FOR THE ASSESSMENT OF PAIN IN EQUINE LAMINITIS I. Vinuela-Fernandez1, K. Franken2, T. Licka2, J. L. Jesus, Children and Adolescent Area, Univ. of Brasilia, Brasilia, Brazil

PT 008 DEVELOPMENT AND EVALUATION OF A QUESTIONNAIRE FORMAT FOR PAIN-DERIVED SLEEP DISTURBANCES Y. Morita1, M. Iseki1, M. Ifuku1, S. Komatsu1, K. Yamaguchi1, T. Doi2, E. Inada3, ‘Anesthesiology and Pain Med., Juntendo Univ., Tokyo, Japan, 2Orthopedics, Fukuoka clinic, Tokyo, Japan

PT 009 WAD IN LITHUANIA: PERSISTING SYMPTOMS WITH UNCHANGED ABILITY TO WORK E. Preisegolaviciute1, G. Samusyte2, ‘Anesthesiology and Pain Med., Juntendo Univ., Tokyo, Japan, 2Orthopedics, Fukuoka clinic, Tokyo, Japan


PT 011 S-TOPS: DEVELOPMENT AND INITIAL VALIDATION OF SHORT AND RESTRUCTURED FORM OF QUESTIONNAIRE FOR ASSESSMENT OF TREATMENT OUTCOMES IN INDIVIDUAL PATIENTS WITH CHRONIC PAIN S. Haroutiunian1,2, G. Donaldson1, J. Yuf1, A. G. Lipman1, ‘Pain Relief Unit, Hadassah-Hebrew Univ. Med. Ctr., Jerusalem, Israel, 2Dept. of Pharmaceutics, Inst. for Drug Res., The Hebrew Univ. of Jerusalem, Jerusalem, Israel, 3Pain Res. Ctr., Univ. of Utah, Salt Lake City, UT, USA, 4Pharmacotherapy Outcomes Res. Ctr., Univ. of Utah, Salt Lake City, UT, USA, 5Dept. of Pharmacotherapy and Pain Management Ctr., Univ. of Utah, Salt Lake City, UT, USA

PT 012 THE USE OF PAIN DRAWING AS A NEW TOOL FOR ASSESSMENT OF SCIATICA T. Tachibana1, T. Moriyama2, F. Okada1, K. Manuo, S. Incoue1, Y. Horinouchi1, S. Yoshia2, Orthopaedic Surgery, Hyogo Coll. of Med., Nishinomiya, Japan

PT 013 CHARACTERIZATION OF NEUROPATHIC PAIN IN POST-LAMINECTOMY PAIN SYNDROMES J. Markman1, M. Frazer2, R. Hanson2, N. Murray, B. Jahromi1, Univ. of Rochester, Rochester, NY, USA

PT 014 TRANSLATION AND EVALUATION OF TEST-RETEST RELIABILITY AND VALIDITY OF PERSIAN VERSION OF THE IKDC QUESTIONNAIRE IN IRANIAN PATIENTS AFTER ACL AND MENISCAL OPERATION A. Norouzi Fashkan1,2, A. Rahimi1, S. Mansour Sohani2, ‘Physiotherapy, Rehabilitation Faculty of Shahid Behesh ty Univ. of Med. Sci., Tehran, Iran, Islamic Republic of, 3Physiotherapy, Rehabilitation Faculty of Iran Univ. of Med. Sci., Tehran, Iran, Islamic Republic of

PT 015 DAY SURGERY PATIENTS ASSESSMENTS OF PAIN U. Nilsson1, E. Ivdal2, ’Orebro Univ. Hosp., Dept. of Anaesthesiology and Intensive Care, O rebro, Sweden, 2Malmö Univ., Fac ulty of Hlth. and Society, Malmö, Sweden


PT 017 BENCHMARKING OUTCOMES FOR THE PSYCHOLOGICAL TREATMENT OF CHRONIC PAIN G. Fentong, S. Morley, Programme in Clinical Psychology, Univ. of Leeds, Leeds, United Kingdom

PT 018 VALIDITY EVIDENCE OF THE BACK BELIEFS QUESTIONNAIRE FOR POPULATION BASED SURVEYS C. B. Postle1, D. Schopflocher1, D. P. Gross1, ‘Physical Therapy, Univ. of Alberta, Edmonton, AB, Canada, 2Nursing, Univ. of Alberta, Edmonton, AB, Canada

PT 019 PAIN AND QUALITY OF SLEEP IN SUBJECTS WITH A PHARMACOLOGICAL MANAGEMENT FOR CHRONIC PAIN: A PRELIMINARY REPORT A. Covamunjas-Gomez1,2, U. M. Guevara-Lopez3, 1Dept. of Pain and Palliative Med., Inst. Natl. de Ciencias Medicas y Nutricion Salvador Zubiran, Mexico City, Mexico, 2Pain and Palliative Care Unit, Fundacion Medica Sur, Mexico City, Mexico, 3Dept. of Education and Research, Unidad Medica de Alta Especialidad Dr. Victorio de la Fuente Narvaez, Mexico City, Mexico

PT 020 RELIABILITY OF MULTIDIMENSIONAL PAIN INVENTORY SUBGROUP CLASSIFICATION IN CHRONIC PAIN PATIENTS M. L. Vera1, F. Angst2, B. J. Staal3, R. Briosch4, S. Lehmann4, A. Aeschlimann4, R. A. de Beet5, ‘Physiotherapy Inst., Bern, Switzerland, 6Epidemiology and Caphri Res. Sch., Maastricht Univ., Maastricht, Netherlands, 7RheacClinic, Bad Zurzach, Switzerland, 8114 IQ Healthcare, Radboud Univ. Nijmegen Med. Ctr., Nijmegen, Netherlands

PT 021 IMPACT OF PAINFUL TEMPOROMANDIBULAR DISORDERS (TMD) ON LIFE QUALITY IN ADOLESCENTS M. Sevastjanova1, E. Senakol2, A. Brinkmane1, N. Zobina1, 1Oral Maxillofacial Surgery, Riga Stradins Univ., Riga, Latvia, 2Dept. of Conservative Dentistry, Riga Stradins Univ., Riga, Latvia, 3State Blood Ctr., Riga, Latvia

PT 022 PREDICTING PAIN SENSITIVITY (PS) OF AN INDIVIDUAL: VALIDITY OF OBJECTIVELY FORMULATED STRUCTURED QUESTIONS (QSFQ) IN PREDICTION OF PS V. C. Halahakoon1, T. Jayalath2, ‘Dept. of Surgery, Fac ulty of Med., Univ. of Peradeniya, Peradeniya, Sri Lanka, 2Dept. of Med., Fac ulty of Med., Univ. of Peradeniya, Peradeniya, Sri Lanka

PT 023 EFFECT OF LINGUAL NERVE BLOCK ON STOMATODYNIA (BMS) A. Woda1, C. Dubray2, C. Gremeau-Richard3, ‘Faculte Dentaire, Univ. d‘Auerge Clemont 1, Clermont-Ferrand, France, 2Faculte Medecine, Univ. d‘Auerge Clemont 1, Clermont-Ferrand, France

PT 024 CHRONIC PAIN EVALUATION: QDSA VERSUS DN4, ABOUT A 178 PATIENTS PROSPECTIVE STUDY IN A FRENCH PAIN CLINIC J. Lelecr1, L. Douay2, P. Trelle3, E. Bienfait1, A. Taleb2, S. Soriot1, Pain Unit, CHU Amiens, AMIENS, France

Tuesday, August 31, 2010

37
PT 047 PREVALENCE OF CHRONIC PAIN IN THE REPUBLIC OF IRELAND AND PREDICTORS OF PAIN RELATED DISABILITY: PROSPECTIVE FINDINGS FROM THE PRIME STUDY M. N. Rafferty, B. E. McGuire1, A. W. Murphy1, K. Sarma1, C. Norman1, D. Do La Harpe2, Sch. of Psychology & Ctr. for Pain Res., Natl. Univ. of Ireland, Galway, Ireland, 2Dept. of Gen. Practice, Natl. Univ. of Galway, Galway, Ireland, 3Sch. of Psychology, Natl. Univ. of Ireland, Galway, Ireland, 4Dept. of Hlth. Policy & Management, Trinity Coll. Dublin, Dublin, Ireland, 4Hlth. Service Executive, Dublin, Ireland

PT 048 EPIDEMIOLOGICAL DESCRIPTION OF PRESCRIPTION PATTERNS IN NEUROPATHIC PAIN TREATMENT IN FIVE COLOMBIAN CITIES DURING 2009. F. Hinetostrosa, Pharmacy, Natl. Univ., Bogotá, Colombia


PT 050 PRESCRIPTIONS OF OPIOIDS TO CHILDREN AND ADOLESCENTS: A STUDY FROM AT NATIONAL PRESCRIPTION DATABASE IN NORWAY. O. Fredheim1,2, T. Log1, W. Olsen1, S. Skurtveit1,2, Ø. Sagen1, P. C. Borcherdorff1,2,3,4, Pain and Palliation Res. Group, Norwegian Univ. of Sci. and Technology, Trondheim, Norway, 2Dept. of Emergency Med., Tromsak Hospital, Tromsø, Norway, 3Inst. of Pharmacy, Univ. of Tromsø, Tromsø, Norway, 4Div. of Epidemiology, The Norwegian Inst. of Publ. Hlth., Oslo, Norway, 5Univ. of Oslo, Faculty of Med., Oslo, Norway, 6Dept. of Emergency Med., Telemark Hosp., Skien, Norway, 7Dept. of Pain and Complex Disorders, St. Olav Univ. Hosp., Trondheim, Norway

PT 051 FUNCTIONAL PROFILE OF LOW BACK PAIN INDIVIDUALS IN THE POPULATION OF SÃO PAULO, BRAZIL. K. N. Sá1,2, A. F. Baptista1,2, M. C. Rêgo1,2, I. Lessa1,2, Post-graduation, Escola Bahiana de Med. e Saúde Pública, Salvador, Brazil, 3Biomorphologi, Univ. Federal da Bahia, Salvador, Brazil, 4Neuromusculoskeletal Res. Group, Escola Bahiana de Med. e Saúde Pública, Salvador, Brazil, 5Publ. Hlth. Inst., Univ. Federal da Bahia, Salvador, Brazil

PT 052 PREDICTORS OF SELF-REPORT OF PAIN INTERFERENCE WITH MOOD, ENJOYMENT OF LIFE AND RELATIONSHIP WITH OTHERS AMONG CHRONIC PAIN PATIENTS. M. J. Teixeira1,2, K. A. Ferreira1,2,3, T. R. Dias1, J. C. Appollinaris1, A. M. Silva1, M. D. Latore2,3, 1Dept. of Neurosurgery, Multidisciplinary Pain Ctr., Hosp. das Clinicas, Univ. of Sao Paulo, Sao Paulo, Brazil, 2Multidisciplinary Pain Ctr.-Hosp. das Clinicas; Inst. do Cancer do Estado de Sao Paulo, Sao Paulo, Brazil, 3Nursing, Univ. of Guarulhos-UnifG, Guarulhos, Brazil, 4Med. Scientiff Dept., Janssen-Cilag Brazil, Sao Paulo, Brazil, 5Med. Scientiff Dept., Janssen-Cilag Brazil, Sao Paulo, Brazil, 6Sch. of Publ. Hlth., Dept. of Epidemiology, Univ. of Sao Paulo, Sao Paulo, Brazil

PT 053 LABORATORY AND NON-LABORATORY PREDICTORS OF HEALTHCARE UTILIZATION FOR PAIN IN CHILDREN J. C. Tao1, S. Evans1, L. Seidman1, L. B. Allen2, L. K. Zeltzer2, Dept. of Pediatrics, David Geffen Sch. of Med. at UCLA, Los Angeles, CA, USA

PT 054 GENDER DIFFERENCES IN PEDIATRIC POST-OPTATIVE PAIN, ANXIETY, AND PAIN CATASTROPHIZING. M. Page1, F. Campbell2,3, J. Stinson1, L. Isaac2, A. L. Martin2, J. Katz1,4, 1Psychology, York Univ., Toronto, ON, Canada, 2Anesthesia and Pain Med., Hosp. for Sick Children, Toronto, ON, Canada, 3Anesthesia, Faculty of Med., Univ. of Toronto, Toronto, ON, Canada, 4Faculty of Nursing, Univ. of Toronto, Toronto, ON, Canada, 5Psychology, Hosp. for Sick Children, Toronto, ON, Canada

PT 055 PARENTS’ SYMBOLIC REPRESENTATION OF THEIR CHILD’S PAIN ASSOCIATED WITH CHRONIC DISEASE S. Lefranca1, M. Dumas2, A. Duhamel3, P. Bourgault4, 1Pediatrics, Univ. of Sherbrooke, Sherbrooke, QC, Canada, 2Religious studies, Univ. of Sherbrooke, Sherbrooke, QC, Canada, 3Phlsyics, Univ. of Sherbrooke, Sherbrooke, QC, Canada, 4Nursing, Univ. of Sherbrooke, Sherbrooke, QC, Canada

PT 056 DOES ACUTE POSTOPERATIVE PAIN CHANGES ATTENTIONAL AND EMOTIONAL MECHANISMS OF PAIN PROCESSING? A LONGITUDINAL STUDY. V. Dimova1, D. Schöné1, C. Horn1, M. Kunz1, A. Partum1, P. Weber1, N. Griesinger2, R. Sitti3, S. Lautenbacher1, 1Physiological Psychology, Univ. of Bamberg, Bamberg, Germany, 2Med., Univ. of Erlangen, Erlangen, Germany


PT 058 SENSITIVITY TO PAIN TRAUMATIZATION SCALE (SPTS): EXAMINING DIFFERENCES ACROSS GENDER, PAIN HISTORY & PAIN SENSITIVITY. K. M. Roosen1, G. Page1, V. Kleinman1, J. Katz2, Psychology, York Univ., Toronto, ON, Canada


PT 060 RELIABILITY AND LINGUISTIC VALIDATION OF PAIN ANXIETY SYMPTOMS SCALE-20 IN ARABIC. O. A. Tashani1,2, R. A. Kabili3,4, A. A. Alabas5, M. J. Johnson6, 1Leeds Metropolitan Univ., Leeds, United Kingdom, 2Department of Psychology, Yarmouk University, Bethlehem, Palestinian Authority, 3Psychology Dept., Univ. of Garyounis, Benghazi, Libyan Arab Jamahiriya, 4Psychology Dept., Sohage Univ., Sohage, Egypt, 5Psychology Dept., Univ. of Al-Tahadi, Sirt, Libyan Arab Jamahiriya

PT 061 IN SEARCH OF PSYCHOLOGICAL FACTORS CONTRIBUTING TO THE DISTORTIONS OF MEMORIES FOR PAIN. P. Babel1, Inst. of Psychology, Jagiellonian Univ., Krakow, Poland

PT 062 DEVELOPMENT OF “ESCALA DE MIEGO-EVITACIÓN” (FEAR-AVOIDANCE SCALE): A TOOL IN SPANISH FOR ASSESSING FEAR-AVOIDANCE IN RHEUMATOLOGY PATIENTS. I. Mondragón-Reyes, Sch. of Psychology, Univ. of Mexico, Mexico City, Mexico

PT 063 FIBROMYALGIA AND PERSONALITY: A RORSCHACH® STUDY. S. M. Catsaros1, M. Defontaine-Catteau1, S. Blond1, CETD, CHRU Lille, Lille, France


PT 065 FEATURES AND CHARACTERISTICS IN PATIENTS WITH SPONTANEOUS INTRACRANIAL HYPOTENSION. S. Ishikawa1, S. Mizobuchi1, N. Tomotsuka1, E. Moriyama2, K. Sato1, H. Nishie1, K. Morita1, 1Anesthesiology and Resusciolgy, Okayama Univ. Graduate Sch. of Med., Dentistry and Pharmaceutical Sci., Okayama, Japan, 2Neurosurgery, Fukuyama Medical Ctr., Fukuyama, Japan

PT 066 ASSESSMENT OF PAIN AND QUALITY OF LIFE IN PATIENTS WITH MULTIPLE MYELOMA. J. S. Garcia1, A. A. Andrade1, I. S. Silva1, S. M. Rodrigues1, L. A. Sousa, Anesthesiology and Pain, Federal Univ. of Maranhao, Sao Luis-MA, Brazil

PT 067 IMPROVEMENT OF MORNING HEADACHES AND OROFACIAL PAIN WITH A MANDIBULAR ADVANCEMENT APPLIANCE IN SUBJECTS WITHOUT SLEEP DISORDERED BREATHING. P. H. Rompa1, L. Franco1, P. de Grandmont1, H. T Huyynh1, G. J. Lavigne1, 1Faculté de Médecine Dentaire, Univ. de Montréal, Montréal, QC, Canada, 2Ctr. d’Etude du Sommeil, Hôpital du Sacré-Coeur, Montréal, QC, Canada

PT 068 DETECTION ANTIBODIES TO COMMON VIRUSES OF MIGRAINE PATIENTS IN THEIR ICTAL PERIODS. Y. Mao1, X. Wang1, Neurology, Zhong Shan Hosp. of Fudan Univ., Shanghai, China

PT 069 DIFFERENCES OF MUSCULAR CHARACTERISTICS BETWEEN THE EPISODIC AND THE CHRONIC FORMS OF TENSION-TYPE HEADACHE BY ELECTROMYOGRAPHIC ANALYSIS. J. Sohn1, J. Jun2, 1Dept. of Neurology, Hallym Univ. Coll. of Med., Chuncheon-si, Korea, Republic of, 2Dept. of Rehabilitation, Hallym Univ. Coll. of Med., Chuncheon-si, Korea, Republic of
PT 070 INITIAL IDENTIFICATION OF GENETIC VARIANTS ASSOCIATED WITH PAINFUL OSTEOARTHRITIS: RESULTS FROM A COMMUNITY-BASED GENOME-WIDE ASSOCIATION STUDY W. M. A. Mäntyselkä, S. B. Smith, T. Bhangale, B. Weir, C. Hyde, S. L. John, S. A. McLean, R. M. Gracely, K. Ambrose, K. A. Frantz, C. Clark, K. A. Sluka, S. Coll. of Nursing, Univ. of Iowa, Iowa City, IA, USA, 2Graduate Coll. of Physical Therapy, Univ. of Iowa, Iowa City, IA, USA, 3Coll. of Med., Univ. of Iowa, Iowa City, IA, USA

PT 071 KNEE OSTEOARTHRITIS PAIN CORRELATES WITH MECHANICAL PAIN SENSITIVITIES BUT DOES NOT INFLUENCE ACTIVE FLEXION OR WALKING FUNCTION B. R. Kaur, N. Logsdon-Sackett, X. Yang, N. Cooper, S. Tonelli, K. Henr, R. Frantz, C. Clark, K. A. Sluka, 1Coll. of Nursing, Univ. of Iowa, Iowa City, IA, USA, 2Graduate Coll. of Physical Therapy, Univ. of Iowa, Iowa City, IA, USA, 3Coll. of Med., Univ. of Iowa, Iowa City, IA, USA

PT 072 PAINFUL PERIPHERAL NEUROPATHY AND MUCOTOXICITY IN RATS RECEIVING CHEMOTHERAPY S. M. Gordon, V. Anseloni, Z. Zaparolić, R. Traub, 1Oral-Maxillofacial Surgery, Univ. of Maryland, Baltimore, MD, USA, 2Neural Pain Sci., Univ. of Maryland, Baltimore, MD, USA


PT 074 SACRO-ILIAC JOINT DYSFUNCTION UNDERRDIAGNOSED? T. M. Ivanova-Stojkova, S. Wartan, Pain Management Clinic, Anaesthesidept., Royal Gwent Hosp., Newport, Gwent, United Kingdom


PT 076 PREVALENCE AND CHARACTERISTICS OF PAIN ORIGINATING FROM INTRA-ARTICULAR STRUCTURES OF THE KNEE JOINT IN PATIENTS WITH MEDIAL KNEE OSTEOARTHRITIS M. Kneuchi, M. Izumi, T. Tani, Kochi Univ., Nankoku, Japan

PT 077 ABNORMALITIES IN THE CSF OF CHRONIC OSTEOARTHRITIS PATIENTS V. B. Lu, P. A. Smith, S. Rashiq, 1NH/HN/IAALMP, Rockville, MD, USA, 2Pharmacology, Univ. of Alberta, Edmonton, AB, Canada, 3Anesthesiology and Pain Med., Univ. of Alberta, Edmonton, AB, Canada


PT 080 LOWER ECTOR SPINAE MUSCLES ACTIVATION IN COMMONLY ACCEPTED SITTING POSTURE AND LOW BACK PAIN Z. Uden, Kinesiology, Univ. of Waterloo, Waterloo, ON, Canada

PT 081 LOW PRESSURE PAIN THRESHOLD IS ASSOCIATED WITH, BUT DOES NOT PREDISPOSE FOR LOW BACK PAIN S. F. O'Neil, P. Kjaer, T. Graven-Nielsen, C. Manniche, L. Arendt-Nielsen, 1Ctr. for Sensory-motor Interaction, Univ. of Aalborg, Aalborg, Denmark, 2Clinical Biomechanics, Univ. of Southern Denmark, Odense, Denmark, 3Spine Ctr. South Denmark, Lillebaelt Hosp., Middelfart, Denmark

PT 082 CHANGES IN TRUNK NEUROMECHANICAL RESPONSES INDUCED BY EXPERIMENTAL PAIN: COMPARISON BETWEEN HEALTHY VOLUNTEERS AND PATIENTS WITH CHRONIC LOW BACK PAIN J. D. Dubois, M. Piché, V. Gardin, M. Descarreaux, 1Sci. de l'Activité physique, Univ. du Québec à Trois-Rivières, Trois-Rivières, QC, Canada, 2Chiropratique, Univ. du Québec à Trois-Rivières, Trois-Rivières, QC, Canada

PT 083 MULTIVARIATE RETURN-TO-WORK MODEL SUPPORTING THE BIO-PSYCHO-SOCIAL MODEL O. K. Jensen, K. Stengaard-Pedersen, C. V. Nielsen, 1The Spine Ctr., Dept. of Internal Med., Region Hosp. Silkeborg, Silkeborg, Denmark, 2Dept. of Rheumatology, Aarhus Univ. Hosp., Aarhus, Denmark, 3Dept. of Clinical Social Med., Univ. of Aarhus and Central Region Denmark, Aarhus, Denmark

PT 084 CONNECTION BETWEEN NECK PAIN AND METABOLIC SYNDROME P. T. Mäntyselkä, H. Kautiainen, M. Vanhala, 1Dept. of Primary Hith. Care, Univ. of Eastern Finland and Univ. Hosp. of Kuopio, Kuopio, Finland, 2ORTON Fndn., Helsinki, Finland, 3Unit of Primary Hith. Care, Central Hosp. of Middle Finland, Jyväskylä, Finland

PT 085 THE PRESENCE OF SENSORY HYPERSENSITIVITY IN RESPONDERS TO CERVICAL FACET JOINT DOUBLE BLOCK PROCEDURE A. D. Smith, M. Sterling, G. Jull, G. Schneider, B. Fritzell, R. A. Hooper, 1Dept. of Physiotherapy, Univ. of Queensland, Brisbane, Australia, 2Dept. of Med., Univ. of Calgary, Calgary, AB, Canada

PT 086 BEYOND THE PELVIS IN CHRONIC PELVIC PAIN IN MEN S. N. Davis, Y. M. Binik, S. Carrier, 1Psychology, McGill Univ., Montréal, QC, Canada, 2Urology, McGill Univ. Hith. Ctr., Montréal, QC, Canada

PT 087 PRIOR ORAL CONTRACEPTIVE USE IS ASSOCIATED WITH RISK OF ENDOMETRIOSIS CONDITIONAL ON PARITY: RESULTS FROM A LONGITUDINAL, POPULATION-BASED SURVEY F. F. T., G. P. Goldstein, H. Duf, S. Senapati, K. E. Pozolo, 1Ob/Gyn, NorthShore Univ. Hith. System, Evanston, IL, USA, 2Ob/Gyn, Univ. of Chicago, Chicago, IL, USA, 3Ctr. for Outcomes, Res., and Evaluation, Maine Med. Ctr., Portland, ME, USA, 4Ctr. for Outcomes, Res. and Ed., NorthShore Univ. Hith. System, Evanston, IL, USA

PT 088 PAIN-RELATED CONDITIONS AND DISEASES AMONG WOMEN WITH AND WITHOUT ENDOMETRIOSIS IN A CHRONIC PAIN CLINIC J. Jarrell, P. Barton, G. Schultz, M. Robert, J. Currie, Univ. of Calgary, Calgary, AB, Canada

PT 089 EFFICACY OF MILNACIPRAN 100 MG/DAY IN THE MANAGEMENT OF FIBROMYALGIA: A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED TRIAL A. J. A. Spence, L. M. Arnold, R. M. Gendreau, J. Gendreau, Y. Wang, 1Forest Res. Inst., Jersey City, NJ, USA, 2Univ. of Cincinnati, Cincinnati, OH, USA, 3Cypress Biosci., Inc., San Diego, CA, USA

PT 090 MULTIVARIATE FACTOR ANALYSIS AND GENETIC ASSOCIATION PROVIDE EVIDENCE FOR CLINICAL HETEROGENEITY IN FIBROMYALGIA S. B. Smith, R. B. Fillingim, W. M. A. Mäntyselkä, C. Hyde, S. L. John, S. A. McLean, R. H. Gracely, D. Zaykine, I. Mazo, A. Yurev, T. Ichivilova, K. Tan, L. Diatchenko, 1Algyomics, Inc., Chapel Hill, NC, USA, 2Dept. for Neurosensory Disorders, Univ. of North Carolina, Chapel Hill, NC, USA, 3Pfizer Pharma Therapeutics R&D, New Haven, CT, USA, 4NIEHS, Research Triangle Park, NC, USA, 5Ariadne Genomics, Inc., Rockville, MD, USA, 6Pfizer Pharma Therapeutics R&D, Sandwich, United Kingdom

PT 091 MILNACIPRAN TREATMENT IMPROVES PAIN, GLOBAL STATUS, AND PHYSICAL FUNCTIONING IN PATIENTS WITH FIBROMYALGIA INDEPENDENT OF BASELINE PAIN SEVERITY M. E. Geisser, R. H. Palmer, Y. Wang, R. M. Gendreau, 1Univ. of Michigan, Ann Arbor, MI, USA, 2Forest Res. Inst., Jersey City, NJ, USA, 3Cypress Biosci., Inc., San Diego, CA, USA

PT 093 THE IMPACT OF PAIN VARIABILITY ON RESPONSE TO MILNACIPRAN AND PLACBO IN TWO TRIALS OF PATIENTS WITH FIBROMYALGIA (FM) R. H. Palmer, D. C. Turk1, M. R. Hufford1, Y. Wang1, Forest Res. Inst., Jersey City, NJ, USA, 2Univ. of Washington, Seattle, WA, USA, 3Cypress BioSci., Inc., San Diego, CA, USA

PT 094 TIME TO CONSISTENT DAY-TO-DAY PAIN RELIEF: A NOVEL WAY TO UNDERSTAND THE IMPACT OF MILNACIPRAN TREATMENT IN PATIENTS WITH FIBROMYALGIA D. C. Turk1, R. H. Palmer1, M. R. Hufford3, Y. Wang1, 1Univ. of Washington, Seattle, WA, USA, 2Forest Res. Inst., Jersey City, NJ, USA, 3Cypress BioSci., Inc., San Diego, CA, USA

PT 095 ROLE OF CAPSAICIN-SENSITIVE VASOACTIVE NERVE FIBERS IN PERIPHERAL NEUROPATHIC PAIN? D. Nalesniski1, A. Binder, R. Baron, G. Wasner, Neurology, Kiel, Germany

PT 096 QUANTITATIVE SENSORY AND INTRA-EPIDERMAL NERVE FIBER DENSITY CHANGES IN PATIENTS WITH MULTIPLE MYELOMA TREATED WITH BORTEZOMIB J. A. Boyette-Davis1, P. M. Dougherty, Unives. of Texas MD Anderson Cancer Ctr., Houston, TX, USA

PT 097 COMPARISON OF NEUROPATHIC PAIN GUIDELINES WITH RESPECT TO BEST EVIDENCE AND EXPERT INPUT J. Hearn1, A. C. Williams2, 1Open Univ., UK, London, United Kingdom, 2Res. Dept. of Clinical, Educational, & Hlth. Psychology, Univ. Coll. London, London, United Kingdom

PT 098 SENSATIONS AND PAIN IN RESTLESS LEGS SYNDROME E. G. Karumuri1, C. Vernet2, S. Leu-Semenescu2, E. Konofal1, J. Amour2, 1Unité des Pathologies du Sommeil, Groupe Hospitalier Pitié-Salpêtrière, Paris, France, 2Univ. Pierre et Marie Curie (UPMC, Paris 6), Paris, France


PT 100 CLINICAL EXPERIENCE OF PAIN TREATMENT FOR HERPES ZOSTER AFTER RASH HEALING S. Chau1, I. Lu2, T. Cheri1, K. Tseng1, K. Cheng1, 1Dept. of Anesthesiology, Faculty of Med., Coll. of Med., Kaohsiung Med. Univ., Kaohsiung, Taiwan, 2Dept. of Anesthesiology, Kaohsiung Med. Univ., Hosp. Kaohsiung, Taiwan

PT 101 CAPSAICIN-DOPAXIN TOPICAL CREAM, ORAL PREGABALIN AND CONTINUOUS EPIDURAL INFUSION VERSUS ORAL PREGABALIN AND CONTINUOUS EPIDURAL INFUSION FOR POSTHERPETIC NEURALGIA PATIENTS: A PROSPECTIVE, RANDOMISED, DOUBLE-BLIND, PLACEBO-CONTROLLED TRIAL A. Kumar1, I. Du, A. Singhal, N. Shankar, S. Choudhary, Univ. Coll. of Med. Sci. & GTB Hosp., Delhi, India


PT 103 CHRONIC UNILATERAL PAIN AND ITS BILATERAL SENSORY MANIFESTATION: A QST STUDY IN CHRONIC PAIN PATIENTS K. Konopka1, M. Harbers2, A. Houghton1, R. Korteekaas1, A. van Vliet1, W. Timmerman1, J. den Boer1, M. van Wijhe1, 1Dept. of Anesthesiology, Pain Management Unit, Groningen, Netherlands, 2Dept. of Neuros., Neuroimaging Ctr., Univ. of Groningen, Groningen, Netherlands, 3Dept. of Psychiatry, Univ. Med. Ctr. Groningen, Groningen, Netherlands, 4Schering Plough, Newhouse, Scotland, United Kingdom, 5PRA Int., Zugdidi, Netherlands

PT 104 PERIPHERAL NEUROPATHY IN PATIENTS RECEIVING BORTEZOMIB FOR MULTIPLE MYELOMA: AN AUDIT P. Farquhar-Smith1, S. West1, I. Sohanpal1, 1Anaesthetics, Royal Marsden Hosp., London, UK, 2Cytokine Biotech., San Diego, CA, USA

PT 105 IMMUNOENDOCRINOLOGICAL PERSPECTIVES IN BURNING MOUTH SYNDROME Y. Imanura2, T. Shinozaki2, K. Hara1, A. O. Okada1, N. Nomura1, H. Kanno1, A. KOBAYASHI1, K. Koike1, 1Oral Diagnosis, Nihon Univ. Sch. of Dentistry, Tokyo, Japan, 2Div. of Clinical Res., Dental Res. Ctr., Nihon Univ. Sch. of Dentistry, Tokyo, Japan

PT 106 CROSS-CULTURAL COMPARISON OF PAIN THRESHOLD AND PAIN TOLERANCE LEVELS IN TMD CASES AND CONTROLS: A PRELIMINARY REPORT M. H. Al-Harthy1, A. Michelotti1, R. Ohrbach2, T. List1, 1Stomatognathic Physiology, Malmo Univ., Faculty of Odontology, Malmo, Sweden, 2Specialist Dental Ctr., King Abdullah Med. City, Makkah, Saudi Arabia, 3Dept. of Orthodontics and Temporomandibular disorders, Univ. of Naples Federico II, Naples, Italy, 4Dept. of Oral Diagnostic Sci., Univ. at Buffalo, Buffalo, NY, USA

PT 107 ASSOCIATION OF DEPRESSION WITH CHRONIC FACIAL PAIN: A LONGITUDINAL STUDY K. Spiller1, J. Vejall1, A. Tanailla1, M. Joukamaa1, 1Inst. of Dentistry, Univ. of Oulu, Oulu, Finland, 2Oral and Maxillofacial Dept., Univ. Oulu Hosp., Oulu, Finland, 3Inst. of Hlth. Sci., Univ. of Oulu, Oulu, Finland, 4Unit of Gen. Practice, Univ. Hosp. of Oulu, Oulu, Finland, 5Sch. of Publ. Hlth., Univ. of Tampere, Tampere, Finland, 6Dept. of Psychiatry, Tampere Univ. Hosp., Tampere, Finland

PT 108 VALIDATION OF THE PORTUGUESE VERSION OF THE RDC/TMD AXIS II QUESTIONNAIRE: THE NEW CONCEPT OF CRANIOFACIAL PAIN CENTER, UNICASTELO, BRAZIL M. F. Rodrigues1, E. Costa1, C. M. Nascimento1, J. C. Magalhaes1, F. P. Varoli2, C. Costa3, G. T. Zaffalon1, 1Craniofacial Pain Center, Univ. Camilo Castelo Branco, Sao Paulo, Brazil, 2Setor de Pesquisa, Centro Odontológico Odemira, Coimbra, Portugal, 3Sch. of Dentistry, Oral Radiology Dept., Univ. of Sao Paulo, Sao Paulo, Brazil

PT 109 CORRELATION BETWEEN SENSORY DEFICIT AND POSTURAL CONTROL IN PEOPLE WITH DIABETIC PERIPHERAL NEUROPATHY G. L. Cheing1, R. M. Chau2, S. K. Vong1, 1Physiotherapy Dept., Kowloon Hosp., Kowloon, Hong Kong

PT 110 AGE DIFFERENCES IN PAIN BEHAVIORS IN YOUNG AND OLD RATS H. A. Ashmaw1, D. A. Otsuki, G. Nascimento, C. C. Palmeira, LIM-08- Anastesiolegia Experimental, Faculdade de Univ. de Sao Paulo-Hosp. das Clinicas, Sao Paulo, Brazil

PT 111 RELATIONSHIPS BETWEEN MATERNRAL PSYCHOPTHATOLOGY, MATERNRAL POSTNATAL ATTACHMENT AND PERCEPTION OF INFANT PAIN IN A HIGH-RISK SAMPLE N. M. Raping1, L. Din Osmun1, R. Pillai Riddell1, 1Psychology, York Univ., Toronto, ON, Canada, 2Psychiatry Res., Hosp. for Sick Children, Toronto, ON, Canada

PT 112 SELF ESTEEM, PSYCHOLOGICAL DISTRESS AND COPING AMONG CHILDREN WITH SOMATOFORM PAIN DISORDERS G. Srivastava1, M. Mehta, R. Sagar, Psychiatry, All India Inst. of Med. Sci., New Delhi, India

PT 113 THE EFFECT OF PAIN AND ANALGESIC EXPECTANCIES ON POSTOPERATIVE PAIN IN CHILDREN: ARE ALL EXPECTANCIES CREATED EQUAL? M. Connelly2, 1Pain Management, Children’s Mercy Hosp. and Clinics, Kansas City, MO, USA, 2Sch. of Med., Univ. of Missouri-Kansas City, Kansas City, MO, USA

PT 114 PREVALENCE OF NON-SPECIFIC MUSCULOSKELETAL PAIN AND HEADACHE IN ADOLESCENCE: A POPULATION BASED STUDY OF A SAMPLE OF ADOLESCENT ATHLETES REPORTING BACK PAIN P. J. Moga, Ambulatory Care (11A), Ann Arbor VA Healthcare System, Ann Arbor, MI, USA

PT 115 ANTHROPOMETRIC CHARACTERISTICS AND TRAINING HABITS OF A SAMPLE OF ADOLESCENT ATHLETES REPORTING BACK PAIN P. J. Moga, Ambulatory Care (11A), Ann Arbor VA Healthcare System, Ann Arbor, MI, USA
PT 116 EVALUATION OF THE POSTOPERATIVE PAIN MANAGEMENT IN A NEONATAL INTENSIVE CARE UNIT A. A. Oliveira, M. Bueno, M. J. Ceccon, A. F. Kimura, Sch. of Nursing, Univ. of Sao Paulo, Sao Paulo, Brazil, 1Faculty of Med., Univ. of Sao Paulo, Sao Paulo, Brazil

PT 117 PAIN AND WELL-BEING BY GENDER AMONG THE ELDERLY L. W. Sandlin Wranrek, M. Rennemark, J. Berglund, Dep. of Rehabilitation, Hosp. of Blekinge, Karlskrona, Sweden, 1Sch. of Social Sci., Växjö Univ., Växjö, Sweden, 2Sch. of Hlth. and Sci., Blekinge Inst. of Technology, Karlskrona, Sweden

PT 118 LOW BACK AND LEG PAIN IN THE ELDERLY N. Satoh, Orthopedic Surgery, Med. Corp. Kameido Satou Noriko Clinic, Tokyo, Japan

PT 119 PAIN SELF-EFFICACY, SOCIALLY PRESCRIBED PERFECTIONISM, AND COPING STRATEGIES AMONG OLDER ADULTS WITH CHRONIC PAIN S. L. Chan, T. Hadjistavropoulos, Dep. of Psychology, Univ. of Regina, Regina, SK, Canada

PT 120 THE CHALLENGE OF FEMALE CHRONIC PERVIC PAIN: THE FIRST WELSH PELVIC PAIN CLINIC S. W. Wartan, N. Saxena, T. Ivananova-Stoilova, 1Dept. of Anaesthesia and Pain Med., Royal Gwent Hosp., Newport, South Wales, United Kingdom, 2Dept. of Anaesthesia and Pain Med., Univ. Hosp. of Wales, Cardiff, South Wales, United Kingdom


PT 123 CHANGES OF THE PAIN THRESHOLD IN HIGH-ALTITUDE G. Bernatzensky, M. Burtscher, P. Bernatzensky, R. Liker, Univ. Salzburg, Salzburg, Austria, 2Sport Sci., Univ. Innsbruck, Med. Section, Innsbruck, Austria, 3Sportpädagogik and Sportpsychology, Univ. Salzburg, Hallein-Rif, Austria, 4Dep. of Anaesthesia, Gen. Hosp. of Klagenfurt, Klagenfurt, Austria

PT 124 DEVELOPMENT OF A WEB-BASED TRAINING PROGRAM ON NEONATAL PAIN: NEONATAL PAIN ASSESSMENT PROGRAM (PROGRAMA DE AVALIAÇÃO DE DOR NEONATAL-PAD-NEO) M. Bueno, A. F. Kimura, A. M. Leite, P. Costa, A. A. Oliveira, T. C. Castrão, L. M. Fonseca, G. C. Scochi, R. Cardoso, S. Gibrins, B. Stevens, Sch. of Nursing, Univ. of Sao Paulo, Sao Paulo, Brazil, 2Ribeirão Preto Coll. of Medicine, Univ. of Sao Paulo, Sao Paulo, Brazil, 3Med.-surgical Unit, Hosp. Samaritano SP, Sao Paulo, Brazil, 4emergency Care Unit, Hosp. Samaritano SP, Sao Paulo, Brazil, 5Family Med., Case Western Reserve Univ. Med. Corp. Kameido Satou Noriko Clinic, Tokyo, Japan

PT 125 KNOWLEDGE TRANSFER REGARDING PAIN IN THE WEB 2.0 ERA: COMMUNICATION AMONG STAKEHOLDERS G. B. Rollman, S. A. Rollman, Dep. of Psychology, Univ. of Western Ontario, London, ON, Canada, 2Sch. of Communication Studies, James Madison Univ., Harrisonburg, VA, USA

PT 126 THE USE OF REUSABLE LEARNING OBJECTS TO TEACH NOICEPTION N. Allcock, H. Wharrad, Sch. of Nursing, The Univ. of Nottingham, Nottingham, United Kingdom

PT 127 KNOWLEDGE AND ATTITUDES OF HEALTH PROFESSIONALS ABOUT CHRONIC PAIN G. Desai, S. K. Chaturvedi, Psychiatry, Natl. Inst. of Mental Hlth. and Neurosci., Bangalore, India

PT 128 THE IMPACT OF OPIOID TOLERABILITY ISSUES ON CHRONIC PAIN MANAGEMENT: A WEB-BASED OBSERVATIONAL STUDY CHRONICLING THE CANADIAN PATIENT EXPERIENCE K. Roof, K. Kuzak, K. Payne, R. S. Prinz, 1Toronto Poly Clinic, Toronto, ON, Canada, 2West Park Hosp., Etobicoke, ON, Canada, 3United BioSource Corp., Montréal, QC, Canada, 4Janssen-Ortho Inc., Toronto, ON, Canada

PT 129 A SURVEY OF RESEARCHERS’ USE OF THE COLD PRESSOR TASK WITH CHILDREN: METHODS, ETHICS, AND EXPERIENCES K. A. Berme, M. Noél, C. T. Chambers, C. L. von Baeyer, C. V. Fernandez, Psychology, Dalhousie Univ., Halifax, NS, Canada, 2Ctr. for Pediatric Pain Res. (West), IKW Hlth. Ctr., Halifax, NS, Canada, 3Pain Research and Palliative Care, Dalhousie Univ., Halifax, NS, Canada, 4Psychology and Pediatrics, Univ. of Saskatchewan, Saskatoon, SK, Canada, 5Pain, IKW Hlth. Ctr., Halifax, NS, Canada


PT 131 PATIENTS’ SATISFACTION WITH PAIN MANAGEMENT IN A PRIVATE HOSPITAL IN SAO PAULO (BRAZIL) M. Z. Gatti, E. R. Ledo, L. V. Stramasso, R. A. Caliman, J. F. Souza, M. Bueno, 1Emergency Service, Hosp. Samaritano SP, Sao Paulo, Brazil, 2Dept. of Ed. and Res., Hosp. Samaritano SP, Sao Paulo, Brazil, 3Med.-surgical Unit, Hosp. Samaritano SP, Sao Paulo, Brazil, 4Surgical Ctr., Hosp. Samaritano SP, Sao Paulo, Brazil, 5Sch. of Nursing, Univ. of Sao Paulo, Sao Paulo, Brazil

PT 132 US-INDIA TRANSCULTURAL EXPERIENCE IN PAIN & PALLIATIVE CARE EDUCATION J. Carson, J. Eland, R. Rajagopal, 1Prince George Hospice Society, Prince George, BC, Canada, 2Nursing, Univ. of Iowa, Iowa City, IA, USA, 3Pallium India, Trivandrum, India

PT 133 POST-ANESTHESIA CARE UNIT (PACU) PAIN MANAGEMENT IN A PRIVATE HOSPITAL IN SAO PAULO (BRAZIL) J. Souza, E. R. Ledo, M. Gatti, R. Caliman, 1Surgical Ctr. Hosp. Samaritano, Sao Paulo, Brazil, 2Dept. of Ed. and Scientific Res., Hosp. Samaritano, Sao Paulo, Brazil, 3Emergency Service, Hosp. Samaritano, Sao Paulo, Brazil, 4Emergency Service, Hosp. Samaritano, Sao Paulo, Brazil

PT 134 AUDIT OF 200 CONSECUTIVE PATIENTS IN RURAL AND URBAN PAIN CLINICS P. A. Hardy, Regional Pain Service, Wellington Hosp., Wellington, New Zealand

PT 135 PATIENT SATISFACTION IN A MULTIDISCIPLINARY UNIVERSITY PAIN CLINIC J. H. Thimappa, Anaesthesiology, James Cook Univ. Hosp., Middlesbrough, United Kingdom

PT 136 FEEDBACK ON EDUCATIONAL METHODS BY PARTICIPANTS ATTENDING WORKSHOPS ON CHRONIC PAIN ASSESSMENT AND MANAGEMENT S. K. Chaturverdi, G. Desai, Dep. of Psychiatry, Natl. Inst. of Mental Hlth. & Neurosci., Bangalore, India

PT 139 SPINAL MICROGLIAL EXPRESSION AND MECHANICAL HYPERSENSITIVITY IN A POSTOPERATIVE PAIN MODEL H. Obata, N. Ito, S. Saito, Dept. of Anaesthesiology, Gunma Univ. Sch. of Med., Maebashi, Japan

PT 140 SATELLITE GLIAL CELLS IN DORSAL ROOT GANGLIA MODULATE THE NEUROGENIC INFLAMMATION INDUCED BY INTRADERMAL CAPSAICIN INJECTION Q. Lin, K. Gong, X. Zou, Y. Yue, 1Psychology, Univ. of Texas at Arlington, Arlington, TX, USA, 2Neurotoxicology, Natl. Ctr. for Toxicological Res., Food & Drug Admin., Jefferson, AR, USA

PT 141 THE DISTINCTIVE RESPONSE OF CNS GLIAL CELLS IN INJURY-INDUCED AND INFECTION-INDUCED OROPHARYNAL PAIN S. Lee, A. Ribeiro-da-Silva, J. Zhang, 1Dentistry, McGill Univ., Montréal, QC, Canada, 2Pharmacology, McGill Univ., Montréal, QC, Canada
PT 142 NALOXONE AND IL-1RA RESTORE GDNF-EVOKED Ca2+ TRANSIENTS IN AN IN VITRO MODEL FOR INFLAMMATORY REACTIVE ASTROCYTES F. Hansen, C. Lundborg, A. Westerlund, U. Bjorklund, B. Bieber, Clinical Neuroscience and Rehabilitation, Neurosurgery, and Physiology, Gothenburg, Sweden, 1Anaesthesiology and Intensive Care Med., Clinical Sci., Gothenburg, Sweden

PT 143 CHARACTERISATION OF MECHANISMS CONTRIBUTING TO RELEASE OF CATHEPSIN S FROM MICROGLIA A. K. Clark, O. Sao, R. Wodarski, M. Malcangio, Wolfson Ctr. for Age Related Diseases, Kings Coll. London, London, United Kingdom


PT 145 A ROLE FOR HELMHINT INFECTION IN THE REGULATION OF MECHANICAL HYPERALGESIA A. L. Gallagher, R. K. Grecius, Faculty of Life Sci., Univ. of Manchester, Manchester, United Kingdom

PT 146 SEX DIFFERENCES IN THE REDUCED ALLODYNIA DISPLAYED BY C3H/HeJ MICE: A TLR4-INDEPENDENT PATHWAY IN FEMALE MICE? J. S. Mogil, S. Beggs, M. L. LaCroix-Fralish, S. G. Sotocinal, S. G. Sotocinal, T. Trang, A. L. Gallagher, R. K. Grecius, 1Inst. of Pharmacology and Alan Edwards Ctr. for Res. on Pain, McGill Univ., Montréal, QC, Canada, 2Univ. of Toronto, Toronto, ON, Canada

PT 147 NUCLEAR TOLL-RECEPTOR-1: A NEW ROLE IN CHRONIC INFLAMMATORY PAIN D. Vardarli, H. E. Freitag, R. J. Grant, L. Meury, M. N. Perkins, D. O’Donnell, AstraZeneca R&D Montréal, St. Laurent, QC, Canada, 2BioSci., AstraZeneca R&D Montréal, St-Laurent, QC, Canada, 3AstraZeneca R&D Montréal, St-Laurent, QC, Canada, 4Dept. of Pharmacology and Alan Edwards Ctr. for Res. on Pain, McGill Univ., Montréal, QC, Canada


PT 149 STRETCH-ACTIVATED CURRENTS IN SUBSETS OF DRG NEURONS Y. Cheng, C. Chen, BioMed. Sci., Academia Sinica, Taipei, Taiwan, 2Inst. of Zoology, Natl. Taiwan Univ., Taipei, Taiwan


PT 151 CHANGES IN A-TYPE VOLTAGE-GATED K+ CURRENTS ON SMALL SENSORY NEURON FROM A RAT MODEL OF BONE CANCER P. Xu, K. Duan, Z. Zhao, Y. Zhang, Inst. of Neurobiology, Inst. of Brain Sci., Fudan Univ., Shanghai, China

PT 152 CHARACTERIZATION OF GIRQ CHANNELS AND OPIOID RECEPTOR COUPLING IN PERIPHERAL SENSORY NEURONS D. Nockernam, C. Stein, P. Heppenstall. 1Anaesthesiology, Charte, Berlin, Germany, 2Molecular Physiology of Somatosensation, EMBL, Monterotondo, Italy

PT 153 SPECIFIC INVOLVEMENT OF THE VOLTAGE-GATED SODIUM CHANNEL NA1.9 IN INFLAMMATORY PAIN S. Leijinger, J. Bussleros, M. A. Prins, V. Maffei, A. Pizzoccaro, V. Maffei, B. Couette, M. Gabiere, A. Charpy, P. Delmas, A. Eschalier, 1INSERM U766, Clermont-Ferrand, France, 2CNRS U0231, Marseille, France

PT 154 DE NOVO EXPRESSION OF NA1.7 IN TRK-COUPLED SENSORY NEURONS FOLLOWING AXOTOMY T. Fukushima, K. Noguchi, Anatomy & Neurosurgery, Hyogo Coll. of Med., Nishinomiya, Hyogo, Japan

PT 155 CONTRIBUTION OF THE SODIUM CHANNEL B1-SUBUNIT IN NOCICEPTIVE PAIN AND DRG EXPRESSION AFTER NEUROPATHIC PAIN G. Maguin, M. Pertin, C. Chen, L. Isom, I. Decosterd, 1Dept. of Anaesthesiology & DBCM, Univ. Hosp. Ctr. & Univ. of Lausanne, Lausanne, Switzerland, 2Dept. of Pharmacology, Univ. of Michigan, Ann Arbor, MI, USA

PT 156 IS TRPV1 EXPRESSED IN THE BRAIN? R. J. Grant, L. Meury, M. N. Perkins, D. O’Donnell, AstraZeneca R&D Montréal, St. Laurent, QC, Canada

PT 157 CORRELATION BETWEEN THE IN VITRO PHARMACOLOGICAL CHARACTERISTICS OF TRPV1 MODULATORS AND THEIR PROPENSITY TO CAUSE THERMOREGULATORY SIDE EFFECTS S. Zichy, L. Lamoureux, J. Labrecque, E. Grazzini, G. Martin, B. Brown, 1-Vitro Biology & DMPK, AstraZeneca R&D Montréal, St-Laurent, QC, Canada, 2BioSci., AstraZeneca R&D Montréal, St-Laurent, QC, Canada, 3AstraZeneca R&D Montréal, St-Laurent, QC, Canada, 4Dept. of Pharmacology and Alan Edwards Ctr. for Res. on Pain, McGill Univ., Montréal, QC, Canada

PT 158 RESVERATROL BUT NOT OTHER COX INHIBITORS BLOCKS TRANSIENT RECEPTOR POTENTIAL A1 (TRPA1) CHANNELS W. G. Wu, A. Patel, M. Kyle, K. Raimondo, S. Schreiner, L. Musza, C. Crumley, L. Tafesse, V. Ilyin, Discovery Res., Purdue Pharma, LP, Cranbury, NJ, USA

PT 159 NEURONAL CHARACTERISATION OF N-ACYL PHOSPHATIDYETHANOLAMINE PHOSPHOLIPASE D (NAPE-PLD)- EXPRESSING NEURONS IN RAT DORSAL ROOT GANGLIA J. Valenta, H. Tailor, K. Mackie, Z. Puskarz, M. Kozsurek, B. Cravatt, A. Avelino, L. Nagy, 1-Dept. of Surgery and Cancer, Imperial Coll. London, London, United Kingdom, 2-Dept. of Histology and Dev. Biology, Univ. of Porto, Faculty of Medicine, Porto, Portugal, 3-Dept. of Psychological and Brain Sci. and Program in Neurosc, Indiana Univ, Bloomington, IN, USA, 4-Dept. of Anatomy, Histology and Embryology, Semmelweis Univ., Budapest, Hungary, 5-Dept. of Chemical Pharmacology, The Scripps Res. Inst., La Jolla, CA, USA, 1BMC, Porto, Portugal

PT 160 ASSOCIATION OF GENETIC POLYMORPHISMS WITH PLACEBO TREATMENT IN PATIENTS WITH OSTEARTHRITIS KNEE PAIN R. H. Gracely, S. B. Smith, G. Stahle, L. Diatchenko, R. B. Fillingim, B. Fj Mia, E. Frakes, S. A. McLean, K. Piezer, A. N. Heinloth, W. Maixner, J. P. Houston, Algyornics, Inc., Chapel Hill, NC, USA, 2Elly Lilly and Company and/or any of its subsidiaries, Indianapolis, IN, USA, 3i3Statprobe, Ann Arbor, MI, USA


PT 162 MECHANISM OF BRAIN DERIVED NEUROTROPHIC FACTOR (BDNF) EXPRESSION AND RELEASE IN ARTHRITIC JOINTS IS DIFFERENT TO CNS S. Jordan, A. Aeschlimann, R. E. Gay, R. Simmen, S. Gay, H. Sprott, Rheumatology and Institute of Physical Med., Univ. Hosp. Zurich, Zurich, Switzerland, 2Rheumatologie, RehabClinic Zurzach, Bad Zurzach, Switzerland, 3Orthopedical Surgery, Schulthess Klinik Zurich, Zurich, Switzerland

PT 163 GLIAL CELL LINE-DERIVED NEUROTROPHIC FACTOR DURING LONG-TERM PAIN: INCREASED IN CEREBROSPINAL FLUID BUT DECREASED IN BLOOD C. Lundborg, M. Hahn-Zoric, B. Bieber, E. Hansson, 1-Dept. of Anaesthesiology and Intensive Care Medicine, Inst. of Clinical Sci., The Sahlgrenska Academy, Univ. of Gothenburg, Gothenburg, Sweden, 2Dept. of Clinical Immunology and Transfusion Med., 3Inst. of Biomedicine, The Sahlgrenska Academy, Univ. of Gothenburg, Gothenburg, Sweden, 4Dept. of Clinical Neurosci. and Rehabilitation, Inst. of Neurosci. and Biomedicine, The Sahlgrenska Academy, Univ. of Gothenburg, Gothenburg, Sweden
PT 186 THE EARLY ANTI-ALLODYNIC EFFECT OF PENTOXIFYLLINE ON CHRONIC POST-ISCHEMIA PAIN DEPENDS ON MODULATION OF PLANTAR BLOOD FLOW J. Vaigunda Ragavendran, A. Lafenêtre, M. Khorsheidadi, T. J. Codere, Anesthesia, McGill Univ., Montréal, QC, Canada

PT 187 INHIBITION OF ENDOGENOUS NGF DEGRADATION INDUCES MECHANICAL ALLODYNIA AND THERMAL HYPERALGESIA IN RATS M. Osikowicz, G. Longo, A. C. Cueto, A. Ribeiro-da-Silva, Dept. of Pharmacology and Therapeutics, McGill Univ., Montréal, QC, Canada

PT 188 SYNERGISTIC ANTI-ALLODYNIC EFFECTS OF TOPICAL COMBINATIONS OF AGENTS AIMED AT IMPROVING REGIONAL BLOOD FLOW AND MICROVASCULAR FUNCTION IN AN ANIMAL MODEL OF CRPS-I T.J. Codere, A. Lafenêtre, J. Vaigunda Ragavendran, Anesthesia, McGill Univ., Montréal, QC, Canada

PT 189 BEHAVIORAL, ANATOMICAL, AND PHARMACOLOGICAL EVALUATION OF THE SPARC-NULL MOUSE AS A MODEL OF LOW BACK PAIN DUE TO DEGENERATIVE DISC DISEASE M. Traberian1, M. Millecamps2, H. Sage1, I. Stone1,1 Neurology and Neurosurgery, McGill Univ., Montréal, QC, Canada, 2Dentistry, McGill Univ., Montréal, QC, Canada, 3Neurology and Neurosurgery, Benaroya Res. Inst., Seattle, WA, USA, 4Pharmacology and Therapeutics, McGill Univ., Montréal, QC, Canada

PT 190 EVIDENCE FOR PRESENCE OF SPONTANEOUS PAIN IN RATS WITH TIBIAL NERVE TRANSECTION (TNT) FROM CHANGES IN CONDITIONED PLACE PREFERENCE (CPP) BEHAVIOUR FOLLOWING SYSTEMIC GABAPENTIN ADMINISTRATION N. Andrews, J. R. Nicholson, R. G. Williams, Pfizer, Sandwich, United Kingdom

PT 191 THE GLIAL ACTIVATION IN THE GRACILE NUCLEUS IN THE SPARED NERVE INJURY MODEL OF NEUROPATHIC PAIN IS ASSOCIATED WITH A REGULATION OF THE GABA TRANSPORTER QAT-1 R. Gosselin, D. Bebber, I. Decosterd, Pain Research Unit, Dept. of Anesthesiology, Univ. Hosp. Ctr. and Univ. of Lausanne, Lausanne, Switzerland

PT 192 COLLAGEN ANTI BODY INDUCED ARTHRITIS (CAIA) AND PAIN D. B. Bas1,2, J. Petterson1, K. S. Nandakumar1, S. Codeluppi1, J. Gregory1, C. Christianson1, R. Holmdahl1, Y. Kesim1, C. I. Svensson2, 1Pharmacology, Ondokuz Mayis Univ., Samsun, Turkey, 2Physiology and Pharmacology, Karolinska Inst., Stockholm, Sweden, 3Med. Biochemistry and Biophysics, Karolinska Inst., Stockholm, Sweden, 4Neurosci., Karolinska Inst., Stockholm, Sweden, 5Anesthesiology, Univ. of California, San Diego, CA, USA

PT 193 SUBSTANCE P SIGNALING CONTROLS MAST CELL ACTIVATION, DEGRANULATION, IL-1 CYTOKINE EXPRESSION, AND NOCICEPTIVE SENSITIZATION IN A RAT FRACTURE MODEL OF COMPLEX REGIONAL PAIN SYNDROME W. Kingery1, W. Li1, T. Guo1, D. Liang2, J. Clark1, PM&R (117), VAPAHCS, Palo Alto, CA, USA, 2Anesthesiology, VAPAHCS, Palo Alto, CA, USA

PT 194 TYROSINE KINASE INHIBITORS REDUCE NMDA NR1 RECEPTOR EXPRESSION, NUCLEAR TRANSLLOCATION AND THERMAL HYPERALGESIA/CENTRAL SENSITIZATION IN A RAT ARTHRITIS MODEL T. A. McInerney1, Y. Lu1, Z. Ye1, L. Zhang1, W. Zhang1, T. C. Pappas1, G. Tagliatela2, K. N. Westlund1, 1Neurosci. & Cell Biology, Univ. of Texas Med. Branch, Galveston, TX, USA, 2Oncology, MD Anderson, Houston, TX, USA, 3Physiology, Univ. of Kentucky, Lexington, KY, USA, 4Asuranigen, Austin, TX, USA

PT 195 SEX DIFFERENCES IN THE ANATOMICAL AND PHYSIOLOGICAL ORGANIZATION OF THE PAG-RVM PATHWAY IN AGED AND ADULT RATS FOLLOWING PERSISTENT INFLAMMATORY PAIN E. C. Jeffress, A. Z. Murphy, Neurosci. Inst., Georgia State Univ, Atlanta, GA, USA


PT 197 LABORAS™: AN AUTOMATED MEASURE OF FORMALIN PAW LICKING BEHAVIOUR AND CONCURRENT LOCOMOTOR ACTIVITY IN RATS S. Lightowler, L. Barratt, G. A. Kennett, Sareitus Ltd, Univ. of Reading, Reading, United Kingdom

PT 198 CHARACTERIZATION OF A NEW MOUSE MODEL FOR THE STUDY OF OROFACIAL PAIN INDUCED BY INFLAMMATION M. Romero-Reyes1,2, E. Ngyen1, A. Vigeswarapu1, B. Hom1, J. Biag3, R. Dong1, A. Charles1, 1Orofacial and Head Pain Program, Oral and Maxillofacial Pathology, Radiology and Med., NYU Coll. of Dentistry, New York, NY, USA, 2UCLA Headache Res. and Treatment Program. Neurology, UCLA, Sch. of Med., Los Angeles, CA, USA, 3LONI. Neurology, UCLA, Sch. of Med., Los Angeles, CA, USA

PT 199 CUTANEOUS TRPV1-EXPRESSING A-DELTA AND C-FIBER NEURONS MEDIATE BEHAVIORAL WITHDRAWAL FROM NOXIOUS HEAT OR TISSUE DAMAGE M. J. Ladvig1, K. Mitchell1, B. D. Bates2, J. M. Keller3, A. J. Mennes2, M. I. Nemanovic2, 1Neurobiology and Pain Therapeutics Section, NIH, Bethesda, MD, USA, 2Neurobiology and Pain Therapeutics, Stanford, CA, USA, 3Anesthesiology, Stanford Univ., Stanford, CA, USA

PT 200 PROGLUMIDE AUGMENTS PLACEBO-INDUCED ANALGESIA IN MICE IN A NOVEL FACIAL OPERANT TESTING PARADIGM T. A. Nolan1, N. P. Murphy1, J. K. Neubert1, 1Orthodontics, Univ. of Florida, Gainesville, FL, USA, 2UCLA, Los Angeles, CA, USA

PT 201 HEME-OXYGENASE INHIBITORS: A NOVEL STRATEGY FOR TREATING INFLAMMATORY AND NEUROPATHIC PAIN? M. J. Philbrook1, K. Nakatsu1, R. A. Dercho1, J. Z. Vlahakis1, W. A. Szarek2, C. M. Cahill1, 1Pharmacology and Toxicology, Queen’s Univ., Kingston, ON, Canada, 2Chemistry, Queen’s Univ., Kingston, ON, Canada

PT 202 SAUCIOSE CONSUMPTION PROVIDES A BEHAVIORAL MEASURE OF PAIN AND COLD SENSITIVITY AFTER DENTAL PULP INJURY R. Urban1, J. L. Gibbs2, A. I. Basbaum1, 1Anatomy, Univ. of California, San Francisco, San Francisco, CA, USA, 2Preventive and Restorative Dental Sci., Univ. of California, San Francisco, San Francisco, CA, USA

PT 203 TWO NOVEL HIGH-THROUGHPUT SCREENING SYSTEMS FOR TESTING AVOIDANCE OF PRO-ALLODYNIC THERMAL AND MECHANICAL STIMULI IN RODENTS E. Soleimannejad, M. Mashregi, D. Fromovitch, S. Biton, G. Alter, Z. Seltzer, Univ. of Toronto, Toronto, Canada

PT 204 ROLES OF STRIATAL AND SPINAL DOPAMINE D2 RECEPTORS IN ATTENUATION OF NOXIOUS HEAT-EVOKED RESPONSES OF SPINAL DORSAL HORN NEURONS INDUCED BY MOTOR CORTEX STIMULATION IN NEUROPATHIC RATS H. Vilsanen. O. B. Ansah, A. Pertovaara, Inst. of Biomedicine, Univ. of Helsinki, Helsinki, Finland

PT 205 COMPUTATIONAL MODEL OF DORSAL HORN NETWORK FOR PAIN RELIEF DURING SPINAL CORD STIMULATION D. Lee, Boston Scientific Neuromodulation, Valencia, CA, USA


PT 207 NOXIOUS ELECTRICAL LOW-FREQUENCY STIMULATION INDUCES NEUROPLASTIC CHANGES OF PAIN PROCESSING K. Jung1, D. Leici2, S. Rottmann1, A. M. Drenträer1, L. Pétrin1, J. Ehrlich1, 1Ctr. for Sensory-Motor Interaction, Dept. of Hlth. Sci. and Technology, Aalborg Univ., Aalborg, Denmark, 2Mech-Sense, Dept. of Gastroenterology, Aalborg Hosp., Aarhus Univ., Aalborg, Denmark

PT 208 CHARACTERIZATION OF HZ166, A NOVEL GABA, RECEPTOR SUBTYPE-SELECTIVE BENZODIAZEPINE SITE LIGAND, IN MOUSE PAIN MODELS A. Di Lio1, Z. Wang1, R. Edwankar2, J. M. Cook3, H. U. Zeilhofer1, 1Inst. of Pharmacology and Toxicology, Univ. of Zurich, Zurich, Switzerland, 2Chem-Sense, Dept. of Gastroenterology, Aalborg Hosp., Aarhus Univ., Aalborg, Denmark

PT 209 ANTI-HYPERALGESIC EFFECT OF CLOBAZAM: A PHARMACOKINETIC-PHARMACODYNAMIC STUDY IN MICE M. Besson1, A. Di Lio1, Y. Daali1, P. Dayer1, H. Zeilhofer1, J. Desmeules2, 1Clinical Pharmacology and Toxicology, Geneva Univ Hosp, Geneva, Switzerland, 2Inst. of Pharmacology and Toxicology, Zurich, Switzerland
PT 210 THE GENERAL MECHANISMS OF ANALGESIC AND ANTIPRURITIC ACTIONS OF SOME ANTIDEPRESSANTS AND ANTICONVULSANTS N. N. Shestakova1, N. P. Vanchakova2, N. K. Nikitina1, S. Chenov Inst. of Evolutionary Physiology and Biochemistry, Russian Academy of Sci., Saint-Petersburg, Russian Federation, 2The State Pavlov Med. Univ., Saint-Petersburg, Russian Federation, 3Saint-Petersburg Clinical Hosp. of Russian Academy of Sci., Saint-Petersburg, Russian Federation

PT 211 SPINAL ENDOCANNABINOID INHIBIT SCRATCHING IN RATS J. Portenoy, M. Xu, G. W. Terman, Dept. of Anesthesiology and Pain Med., Univ. of Washington, Seattle, WA, USA

PT 212 FATTY ACID AMIDE HYDROLASE INHIBITORS TESTED IN A RAT MODEL OF NEUROPATHIC SPINAL CORD INJURY PAIN A. T. Hama1, P. Germano2, M. Varghese1, B. F. Cravatt3, G. T. Milne2, J. P. Pearson2, J. Sagen1, Miami Project to Cure Paralysis, Univ. of Miami Miller Sch. of Med., Miami, FL, USA, 2Ironwood Pharmaceuticals, Inc., Cambridge, MA, USA, 3The Skaggs Inst. for Chemical Biology, Dept. of Chemical Physiology, The Scripps Res. Inst., La Jolla, CA, USA

PT 213 MAGNESIUM STATUS IN COMPLEX REGIONAL PAIN SYNDROME TYPE 1 S. Collins1, R. S. Perez1,2, A. S. Loer3, W. W. Zuurmond4, Anesthesiology, VU Med. Centr., Amsterdam, Netherlands, 2EMGO Inst. for Hth. and Care Res. (EMGO+), Amsterdam, Netherlands, 3Knowledge Consortium Trauma Related Neuronal Dysfunction (TREND), Delft, Netherlands


PT 216 SPINAL TRPA1 CHANNEL CONTRIBUTES TO CENTRAL PAIN HYPERSENSITIVITY IN RATS H. Wu1, M. Saarnilehto2, H. Chapman2, K. Kuokkanen1, J. Holappa1, H. Bir1, J. L. Huang3, X. Y. Wang1, A. Koivistö1, A. Pertovaara1, Inst. of Biomedicine/Physiology, Univ. of Helsinki, Helsinki, Finland, 2Orion Corp., Orion Pharma, R&D, Turku, Finland, 3Sch. of Pharmacy, Shanghai Jiao Tong Univ., Shanghai, China

PT 217 ALTERATION OF CORTICAL EXCITABILITY IN PATIENTS WITH FIBROMYALGIA A. Mhalla1, D. Andrade1, S. Baudic1, S. Perrot1, D. Bouhassira1, INSERM U-887, Ambroise PARE Hosp., Bolloulne-Billancourt, France, 2Dept. of Neurology, Hosp. das Clinicas, Univ. of São Paulo, São Paulo, Brazil, 3CHU Hôtel Dieu, Assistance Publique Hôpitaux de Paris, Paris, France

PT 218 PAIN PERCEPTION DURING PREGNANCY: A CONTACT HEAT EVOKED POTENTIAL STUDY B. A. Zanfini1, S. Catarci1, M. Valeriani2, C. Vollono2, D. Virdis3, G. Draisci1, 1Istituto Anestesia e Rianimazione, Policlinico a Gemelli Rome, Roma, Italy, 2Div. di Neurologia, Scuola di Medicina, Case Western Reserve Univ., Cleveland, OH, USA, 3Dept. of Anaesthesiology, Rambam Hlth. Care Campus, Haifa, Israel

PT 219 RESTING-STATE SIGNAL COMPLEXITY LEVELS OF CORTICAL DECOMPOSED EEG: AN OBJECTIVE MEASURE OF SUBJECTIVE PAIN RESPONSIVENESS R. Nis1, P. Franaczkuz1, A. Sina1, A. Korzeniewska1, N. Crona1, M. Granot1, D. Varnitsky3, 1Dept. of Neurology, Rambam Hh. Care Campus, Faculty of Med., Technion-Israel Inst. of Technology, Haifa, Israel, 2Dept. of Neurology, Johns Hopkins Univ. Sch. of Med., Baltimore, MD, USA, 3Dept. of Neurosurgery, Rambam Hh. Care Campus, Haifa, Israel, 4Dept. of Hh. Sci. and Social Welfare, Haifa Univ., Haifa, Israel

PT 220 LUMBAR MUSCLE ELECTRICAL ACTIVITY DURING IMAGE ACQUISITION FOR QUANTITATIVE FLUOROSCOPY STUDIES OF SPINE STABILITY J. Baguat1, A. Green2, J. Cook1, 1Anglo-European Coll. of Chiropractic, Bournemouth, United Kingdom, 2Inst. for Musculoskeletal Res. and Clinical Implementation, Anglo-European Coll. of Chiropractic, Bournemouth, United Kingdom


PT 222 ANTI-HYPERALGESIC/ALLODYNIC PROPERTIES OF THE NONBENZODIAZEPINE ANXIOLYTIC ETIFOXINE IN INFLAMMATORY AND NEUROPATHIC PAIN MODELS M. Aouad1, N. Petit-Demouliere, P. Poizabeau, Dept. Noociception & Douleur, INCI-UFR 3212, Strasbourg, France

PT 223 CENTRAL PAIN INHIBITORY MECHANISMS DO NOT DIFFER BETWEEN PREOPERATIVE PATIENTS WITH SHOULDER PAIN AND HEALTHY CONTROLS C. Valencia1, J. J. Parr2, L. L. Kindler1, K. A. Larkin1, P. A. Borsa1, R. B. Fillingim2, S. Z. George3, 1Dept. of Physical Therapy, Univ. of Florida, Gainesville, FL, USA, 2Dept. of Applied Physiology and Kinesiology, Univ. of Florida, Gainesville, FL, USA, 3Coll. of Dentistry, Univ. of Florida, Gainesville, FL, USA

PT 224 MODULATION OF THE ENDOCANNABINOID RECEPTOR SYSTEM IN MODELS OF ACUTE AND CHRONIC PAIN S. G. Woodhams1, B. N. Okine1, D. R. Sagar1, L. M. Norris1, A. J. Bennett2, D. A. Barrett2, V. Chapman1, Sch. of BioMed. Sci., Univ. of Nottingham, Nottingham, United Kingdom, 2Sch. of Pharmacy, Univ. of Nottingham, Nottingham, United Kingdom


PT 226 PLASMA TRYPOTHRAN LEVELS ARE RELATED TO DEPRESSIVE SYMPTOMS AND TO THERMAL HYPERALGESIA IN MAJOR DEPRESSIVE DISORDER AND FIBROMYALGIA E. Pauly-Savoie1, S. Potvin2, K. Daigle2, E. Normand2, J. Cortin2, R. Gagnon3, S. Marchand4, 1Neurosurgery, Univ. of Sherbrooke, Sherbrooke, QC, Canada, 2Psychiatry, Ctr. de recherche Fernand-Séguin, Montréal, QC, Canada, 3Psychiatry, Univ. of Sherbrooke, Sherbrooke, QC, Canada, 4Pediatry, Univ. of Sherbrooke, Sherbrooke, QC, Canada

PT 227 POST-NATAL STRESS-INDUCED ANALGESIA IS MODULATED BY THE NEUROTENSINERGIC SYSTEM M. Lafrance1, G. Roussy1, K. Belleville1, H. Maeno1, N. Beaudet1, K. Wade1, P. Sarret1, 1Physiology and Biophysics, Univ. de Sherbrooke, Sherbrooke, QC, Canada, 2Neuros., School of Medicine, Case Western Reserve Univ., Cleveland, OH, USA, 3Dept. of Degenerative Neurological Diseases, Natl. Ctr. of Neurology and Psychiatry, Kodaira, Tokyo, Japan

PT 228 THE PHYSIOLOGICAL ROLE OF THE ASCENDING NOCICEPTIVE CONTROL C. H. Tembei1, L. Fischer1, 1Physiology, Faculty of Dentistry of Piracicaba-State Univ. of Campinas, Piracicaba, Brazil, 2Physiology, Federal Univ. of Para, Cuiabá, Brazil

PT 229 EVIDENCE THAT TUBEROINFUNDIBULAR PEPTIDE OF 39 RESIDUES MODULATES NOCICEPTION THROUGH ENDOCANNABINOID SIGNALING E. Dimitrov, E. Petrov, D. Choi, T. Usdin1, 1Sch. of BioMed. Sci., Univ. of Nottingham, Nottingham, United Kingdom, 2Inst. for Musculoskeletal Res. and Clinical Implementation, Anglo-European Coll. of Chiropractic, Bournemouth, United Kingdom

PT 230 CONTRIBUTION OF AVERSIVE CONTEXT CONDITIONING TO INCREASED PAIN SENSITIVITY IN HUMANS A. Lafonnerie1, C. Alti1, J. Brett2, K. Nader1, J. S. Mogil1, P. Schweinhardt1, 1Alan Edwards Ctr. for Res. on Pain, McGill Univ., Montréal, QC, Canada, 2Psychology Dept., McGill Univ., Montréal, QC, Canada

PT 232 SPECIFIC BRAIN ACTIVITY ASSOCIATED WITH CHRONIC CANCER PAIN A. Buvanendran, A. Ali, T. Stoub, J. S. Kroin, K. J. Tuman, Rush Univ. Med. Ctr., Chicago, IL, USA

PT 233 RELATING RESTING STATE NETWORKS TO STRUCTURAL BRAIN PLASTICITY FOR MULTIPLE SCLEROSIS PATIENTS WITH CHRONIC CENTRAL NEUROPATHIC PAIN D. Seixas1,2, S. Kolind3, J. P. Lee4,5, Y. Ogino1, M. N. Baliki1, P. Y. Geha2, H. L. Fields3, A. V. Apkarian1, *Physiology, Northwestern Univ., Chicago, IL, USA, *Psychiatry, Yale, New Haven, CT, USA, *Ernest Gallo Clinic and Res. Ctr., UCSF, Emeryville, CA, USA


PT 235 PROTECTION FROM POSTOPIED HYPERALGESIA BY HIGH REWARD RESPONSIVENESS: A HEALTHY VOLUNTEER NEUROIMAGING STUDY V. Wangsnesska1, M. Lee2, R. Rogers2, P. Hu1, I. Tracey1, *Univ. of Oxford, Oxford, UK, *United Kingdom

PT 236 SPONTANEOUS PAIN AND AUTONOMIC FUNCTION A. T. Baria, A. V. Apkarian, Physiology, Northwestern Univ., Chicago, IL, USA

PT 237 rTMS APPEARS NOT TO INDUCE STRIAL Dopamine RELEASE WHEN THE EFFECT OF EXPECTATION IS CONTROLLED FOR N. M. Hagelberg1, S. Lamusso2, J. Hirvonen1, J. Martikainen1, A. Pertovaara1, P. Lindholm1, S. K. Jäskeläinen1, *Pain Clinic, Dept. of Anesthesiology, Intensive Care, Emergency Care and Pain Med., Turku Univ. Hosp., Turku, Finland, *Dept. of Neurology, Regional area Hosp. of Salo, Salo, Finland, *PET Ctr., Turku, Finland, *Dept. of Physiology, Inst. of Biomedicine, Univ. of Turku, Finland, *Dept. of Physiology, Inst. of Biomedicine, Univ. of Helsinki, Helsinki, Finland, *Dept. of Clinical Neurophysiology, Turku Univ. Hosp., Turku, Finland

PT 238 rTMS TO THE M1/S1 CORTEX RELEASES ENDOGENOUS OPIOIDS WITHIN THE BRAIN PAIN MATRIX S. K. Jäskeläinen1, S. Lamusso2, J. Martikainen1, N. M. Hagelberg1, J. Hirvonen1, R. Parkkola1, A. Pertovaara1, *Dept. of Clinical Neurophysiology, Turku Univ. Hosp., Turku, Finland, *Dept. of Neurology, Regional area Hosp. of Salo, Salo, Finland, *Dept. of Physiology, Univ. of Turku, Turku, Finland, *Dept. of Anesthesiology and Intensive Care, Turku Univ. Hosp., Turku, Finland, *PET Ctr., Univ. of Turku, Turku, Finland, *Dept. of Radiology, Univ. of Turku, Turku, Finland, *Dept. of Physiology, Helsinki Univ., Helsinki, Finland

PT 239 µ-OPIOID RECEPTOR BINDING IN THE ANTERIOR CINGULATE CORTEX CORRELATES NEGATIVELY WITH PAIN TOLERANCE IN HEALTHY VOLUNTEERS L. K. Markitainen1,2, N. M. Hagelberg1, S. Aalto1, K. Näränen1, J. Hietala1, H. Scheinin1, A. Pertovaara1, *Dept. of Physiology/Inst. of Biomedicine, Univ. of Turku, Turku, Finland, *Dept. of Diagnostic Radiology, Tampere Univ. Hosp., Tampere, Finland, *Pain Clinic and Dept. of Anesthesiology, Intensive Care, Emergency Care and Pain Med., Turku Univ. Hosp., Turku, Finland, *PET Ctr., Univ. of Turku, Turku, Finland, *Dept. of Cognitive Neurosci./Inst. of Biomedicine, Univ. of Turku, Turku, Finland, *Dept. of Psychiatry, Turku Univ. Hosp., Turku, Finland, *Dept. of Physiology/Inst. of Biomedicine, Univ. of Helsinki, Helsinki, Finland


PT 241 MENSTRUAL CYCLE DEPENDENT MODULATION OF PAIN-RELATED BRAIN ACTIVATION D. S. Veldhuijzen1, M. L. Keaser2, D. S. Traud1, J. Zhuo2, R. P. Gulapalli1, J. D. Greenspan1, *Dept. of Anesthesiology, Univ. Med. Ctr. Utrecht, Utrecht, Netherlands, *Dept. of Neurological and Pain Sci., Univ. of Maryland Dental Sch. Program in Neurosciences, Baltimore, MD, USA, *Dept. of Diagnostic Radiology, Univ. of Maryland Sch. of Med., Baltimore, MD, USA

PT 242 INSULAR GLUTAMATE AND GLUTAMINE CONTRIBUTE TO HYPERALGESIA IN FIBROMYALGIA R. E. Harris1, P. Y. Geha2,3, S. E. Hartle1, J. C. Hubbard1, V. Napadow4, D. J. Claw4, *Anesthesiology, Univ. of Michigan, Ann Arbor, MI, USA, *Radiology, Univ. of Michigan, Ann Arbor, MI, *Radiology, Massachusetts Gen. Hosp., Charlestown, MA, USA

PT 243 PHENOMICS AND QTPL MAPPING OF SENSITIVITY TO NOXIOUS HEAT AND MECHANICAL STIMULI IN NAIVE AJ, C57BL/6J AND THEIR 23 AXB-8XA DESCENDANT RECOMBINANT MICE LINES M. Mashreqi, E. Soleimannajad, D. Froimovitch, S. Biton, Z. Seitzer, Univ. of Toronto, Toronto, Canada


PT 245 HYPERGEVALIC AND EDEMATOGENIC EFFECTS OF PEPTIDES ISOLATED FROM THE VENOMS OF HONEYBEE (APIS MELLIFERA) AND NEOTROPICAL SOCIAL WASPS (POLYBIA PAULISTA AND PROTONECTARIA SYLVEIRAE) E. Brigitte1, Y. Cury1, B. M. de Souza1, N. B. Baptista-Saidemberg1, D. M. Saidemberg1, V. P. Gutierrez2, M. S. Palma1, *CEIS/Dept. Biology, Inst. of Biosci. of Rio Claro, Sao Paulo State Univ., Rio Claro, Brazil, *Lab. of Pathophysiology, Butantan Inst., Sao Paulo, Brazil


PT 247 HYPERALGESIC ROLE OF CHEMOKINES THROUGH THE RECRUITMENT OF LEUKOCYTES H. L. Ritthner2, D. Hackell1, S. A. Mousa3, A. Brack1, *Dept. Anesthesiology, Univ. of Wuerzburg, Wuerzburg, Germany, *Dept. Anesthesiology, Charité, Campus Virchow, Berlin, Germany

PT 248 FRACTALKINE EXPRESSED IN DORSAL ROOT GANGLION MEDIATES INFLAMMATORY PAIN G. R. Souza1, T. M. Cunha2, C. M. Lotufo1, F. Q. Cunha1, S. H. Ferreira1, Pharmacology, Univ. of Sao Paulo-FMRP, Ribeirao Preto, Brazil

PT 249 A CC2 ANTAGONIST TO ALLEViate INFLAMMATORY PAIN M. Dansareau1, M. Poh1, N. Beaudet1, S. Melik-Pasarsadaniz1, P. Sarret2, *Physiologie et Biophysiques, Univ. de Sherbrooke, Sherbrooke, QC, Canada, *UMR S 975 INSERM, UMR 7225 CNRS, UPMC, Equipe Douleurs, Faculté de Médecine Pitié Salpêtrière, Ctr. de recherche de l’Inst. Cerveau Moelle, Paris, France

PT 250 SENSITIZATION OF JOINT AFFERENTS OF THE NORMAL RAT KNEE JOINT BY TNF-α R. Richter, S. Löser, G. Natura, H. G. Schäible, Inst. of Physiology/Neurophysiology, Friedrich Schiller Univ. Jena, Jena, Germany

PT 252 EUGENOL AS A POTENT TREATMENT FOR OSTEOARTHRITIS RELATED PAIN IN A RODENT MODEL C. E. Ferland1, S. Lavery2, F. Beaujard1, P. Vachon1, 1Dept. Biomédecine vétérinaire, Faculté de Médecine Vétérinaire, Univ. de Montréal, Saint-Hyacinthe, QC, Canada, 2Dept. Sci. Cliniques, Faculté de Médecine Vétérinaire, Univ. de Montréal, Saint-Hyacinthe, QC, Canada

PT 253 INCREASED HYPERALGESIA IN RESPONSE TO A FATIGUING EXERCISE TASK ACTIVATES NMDA RECEPTORS AND INCREASES EXPRESSION OF PHOSPHORYLATED NR1 IN THE CAUDAL RAPEH NUCLIE K. A. Stuka1, L. A. Rasmussen2, J. F. Danielson1, L. F. daSilva1, 1Graduate Program in Physical Therapy and Rehabilitation Sci., Univ. of Iowa, Iowa City, IA, USA, 2Vet. Sci. Dept., Univ. of Paraiba, Areia, PB, Brazil

PT 254 ELECTRICALLY STIMULATED MUSCLE FATIGUE INDUCES HYPERALGESIA TO MUSCLE INJURY IN RATS. N. Gregory1, R. Walder2, L. Frey Law3, K. Stuka4, Neurosci. Program, Univ. of Iowa, Iowa City, IA, USA, 1Graduate Program in Physical Therapy and Rehabilitation Sci., Univ. of Iowa, Iowa City, IA, USA

PT 255 COX-2-GDNF PATHWAY TO DELAYED ONSET MUSCLE SORENESS IN RATS S. Murase1, F. Querne1, T. Taguchi1, K. Mizumura2, Neurosci. II, Res. Inst. of Environmental Med., Nagoya Univ., Nagoya, Japan

PT 256 INVOlvEMENT OF GABA, RECEPTORS IN ANTALGIC EFFECT OF OXYCOCODONE ON CHEMOTHERAPY-INDUCED NEUROPATHIC PAIN IN RATS T. Thulir1, S. Dubacq2, P. Pozet1, I. Rivals1, B. Cahus1, Laboratoire de Neurobiologie, ESPCI, Paris, France, 1Equipe de Statistique Appliquée, ESPCI, Paris, France

PT 257 DIFFERENTIAL NOXIOUS AND MOTOR TOLERANCE OF CHRONIC DELTA OPIOID RECEPTOR AGONISTS IN RODENTS J. H. Beaudry1, A. Proteau-Gagne2, Y. Dory1, L. Gendron3, Physiology et Biophysique, Univ. de Sherbrooke, Sherbrooke, QC, Canada, 1Chimie, Univ. de Sherbrooke, Sherbrooke, QC, Canada

PT 258 COMPARATIVE PROFILES OF THE ANTINOCEPTIVE, CONSTIPATING AND RESPIRATORY DEPRESSION EFFECTS OF SINGLE INTRACREBROVENTRICULAR (ICV) BOLUS DOSES OF MORPHINE, BUPRENORPHINE AND FENTANYL IN RATS A. Kuo1, B. D. Wyse2, M. T. Smith3, 1Sch. of Pharmacy, The Univ. of Queensland, Brisbane, Australia, 2Ctr. for Integrated Preclinical Drug Dev., Brisbane, Australia

PT 259 PLASTICITY OF OPIOID RECEPTORS IN THE FEMALE PERIQUEDUCTAL GRAY: MULTIPARTY-INDUCED INCREASE IN THE ACTIVITY OF GENES ENCODING FOR MU AND KAPPA RECEPTORS, POST-TRANSLATIONAL DECREASE IN DELTA RECEPTOR EXPRESSION E. Teodorov1, M. M. Bernardi2, L. F. Falcão1, 1Nucleo de Cognição e Sistemas Complexos, Univ. Federal do ABC, São Paulo, Brazil, 2Inst. de Ciências da Saúde, Univ. Paulista, São Paulo, Brazil, 3Dept. de Patologia-FMVZ, Univ. de São Paulo, São Paulo, Brazil

PT 260 EFFECTS OF REMIFENTANIL ON BRAIN FUNCTION: AN MEG/EEG STUDY IN HEALTHY VOLUNTEERS S. Münte1, C. Quaedfogel2, M. Wang1, A. Sambet3, E. Kolso1, 1Anesthesiology, Helsinki Univ. Central Hosp., Children’s Hosp., Helsinki, Finland, 2Faculty of Psychology, Univ. of Maastricht, Maastricht, Netherlands, 3Clinical Psychology Unit, Univ. of Leicester, Leicester, United Kingdom, 4Pain Clinic, Helsinki Univ. Central Hosp., Helsinki, Finland


PT 262 MORPHINE CHANGES THE TIME-FREQUENCY DISTRIBUTION OF EVOKED BRAIN POTENTIALS D. Lelic1, A. E. Olesen1, C. Brock2, C. Staahl1, A. M. Drewes1, Mech-Science, Dept. of Gastroenterology, Aalborg Hosp., Aarhus Univ. Hosp., Aalborg, Denmark

PT 263 COMPARATIVE ANTI-ALLODYN/ANTINOCEPTIVE EFFICACY AND POTENCY OF SINGLE BOLUS DOSES OF OXYCODONE RELATIVE TO MORPHINE AND GABAPENTIN IN THE 2-, 3- DIDEOXYCYTIDINE (DDC)-RAT MODEL OF NEUROPATHIC PAIN M. T. Smith1, J. S. Chap1, B. D. Wyse1, K. Hemnastap1, 1Ctr. for Integrated Preclinical Drug Dev. & Sch. of Pharmacy, The Univ. of Queensland, Brisbane, Australia, 2Ctr. for Integrated Preclinical Drug Dev., The Univ. of Queensland, Brisbane, Australia

PT 264 ALTERED CHLORIDE HOMOSTASIS UNDERLIES PAIN HYPERSensitivity AFTER CHRONIC MORPHINE TREATMENT F. Ferrini1, V. De Koninck1, Cellular & Molecular Neurosci., Ctr recherche Univ. Laval Robert-Giffard, Quebec, QC, Canada, 2Vet. Morphophysiologie, Univ. of Turin, Grugliatossi (TO), Italy

PT 265 THE INTER-EXAMINER RELIABILITY OF PRESSURE ALGOMETRY FOR THE REGION OF SACROILIAC JOINT W. W. Zuurmond1, K. M. Szadek1,2, S. A. Loer3, R. S. Perez1,2, 1Anesthesiology, VU Univ. Med. Ctr., Amsterdam, Netherlands, 2EMGO Inst. for Hhth. and Care Res., VU Univ. Med. Ctr., Amsterdam, Netherlands

PT 266 THE EFFECT OF INTRA-LOCUS COERULEUS INJECTION OF 17'-ESTRADIOL ON INFLAMMATORY PAIN MODULATION IN MALE RATS R. Khakpay1, M. Javan1, M. Janahmadi2, T. Ali3, S. Semnanian1, 1Physiology Dept., Tarbiat Modares Univ., Tehran, Iran, Islamic Republic of, 2Physiology Dept., Shahid Beheshti Univ. (M.C.), Tehran, Iran, Islamic Republic of, 3Physiology Dept., Bangabandhu Sheikh Mujib Med. Univ., Dhaka, Bangladesh

PT 267 SPATIAL TEMPERATURE DISTRIBUTION IN HUMAN HAIRY AND GLABROUS SKIN AFTER INFRARED CO2 LASER RADIATION K. S. Frahm1, O. K. Andersen, L. Arendt-Nielsen, C. D. March, Ctr for Sensory-Motor Interaction (SMI), Aalborg Univ., Aalborg, Denmark

PT 268 THE IMMEDIATE AND LONG-TERM STABILITY OF TEMPORAL SENSORY SUMMATION OF PAIN AND AFTER SENSATIONS IN PAIN-FREE SUBJECTS AND IN SUBJECTS WITH EXERCISE-INDUCED MUSCLE PAIN M. J. Alagia1, M. D. Bishop1, J. E. Bialosky1, S. Z. George1, 1Dept. of Neurological Surgery, Oregon Hlth. & Sci. Univ., Portland, OR, USA, 2Ctr. of Pain Management, St. Joseph’s Regional Med. Ctr., Paterson, NJ, USA

PT 269 COMPARATIVE EVALUATION OF HEAT STIMULATING DEVICES FOR PAIN RESEARCH M. J. L. Nemenoff1, D. C. Yeomans1, M. J. Jardoria, 1Anesthesiology, Stanford Univ., Palo Alto, CA, USA, 2Lasmed LLC, Mountain View, CA, USA, 3NDCR, NIH, Bethesda, MD, USA

PT 270 ARE THERE MIRROR NEURONS FOR PAIN IN THE HUMAN INSULA? A. M. Frot1, C. Perchet1, F. Mauguie2, 1Neurological Hosp., U879 INSERM, BRON, France, 2Functional Neurology Dept., Neurological Hosp., Bron, France

PT 271 CHARACTERIZATION OF THE MOLECULAR MECHANISMS INVOLVED IN THE ANALGESIC EFFECT OF BOS 391 OBTAINED FROM Bunodosoma cangicum SEA ANEMONE VENOM Y. Curuy1, W. A. Ferreira Jr1, A. J. Zaharenko1, J. Tygat1, S. Peigneur1, V. P. Gutierrez1, K. Konno2, J. C. Freitas3, G. Picolo1, 1Lab. of Pathophysiology, Butantan Inst., Sao Paulo, Brazil, 2Dept. of Physiology, Inst. of Biosci.-Univ. of Sao Paulo, Sao Paulo, Brazil, 3Lab. of Toxicology, Univ. of Leuven, Leuven, Belgium, 4Inst. of Natural Med., Univ. of Toyama, Toyama, Japan, 5Physiology Dept., Inst. of Biosci.-Univ. of Sao Paulo, Sao Paulo, Brazil

PT 272 THERAPEUTIC APPLICATION OF A SKIN-PERMEABLE ASCORBIC DERIVATIVE AS AN OINTMENT TO TREATMENT OF PACLITAXEL-INDUCED NEUROPATHIC HYPERALGESIA IN RATS A. Kawakata1, K. Okubo1, T. Takahashi1, M. Matsunami2, H. Shibayama3, Rinki Univ. Sch. of Pharmacy, Higashi-Osaka, Japan, 1BHC Sci. Lab. Co. Ltd., Osaka, Japan

PT 273 THE ANALGESIC EFFECT OF BOTALUMIN NEUROTOXIN SEROTYPE A ON NEUROPATHIC PAIN IS ASSOCIATED TO MODULATORY ACTION ON GLIAL CELLS S. Marinelli1, S. Louisetto1, J. Miura1, E. Royewskaja1, W. Makuuchi1, I. Obara2, S. Cionianni2, B. Przewlocka1, F. Pavone4, 1CNR Inst. of Neurosci., Roma, Italy, 2Dept. of Pain Pharmacology, Inst. of Pharmacology, Polish Academy of Sci., Krakow, Poland
PT 274 DNIC EFFECTS WITH DIFFERENT INTENSITIES OF CONDITIONING MECHANICAL STIMULI APPLIED TO CRANIOFACIAL REGION IN HEALTHY MEN AND WOMEN K. Wang1, Y. Oono1, P. Svensson2, L. Arendt-Nielsen1, ‘Dept. of Hlth. Sci. & Technology, Aalborg Univ., Ctr. for Sensory-Motor Interaction (SMI), Aalborg, Denmark, 1Dept. of Oral & Maxillofacial Surgery, Aalborg Hosp., Aalborg, Denmark, 1Univ. of Aarhus, Dept. of Clinical Oral Physiology, Aarhus, Denmark


PT 276 ACUTE PAIN INDUCED BY INTRAPLANTAR FORMALIN IS ASSOCIATED WITH TRK-B RECEPTOR-DEPENDENT DOWNREGULATION OF KCC2 IN RAT K. Tsunoda, T. Hashimoto, R. Kato, Y. Morimoto, Dept. of Anesthesiology and Critical Care Med., Hokkaido Univ. Graduate Sch. of Med., Sapporo, Japan


PT 278 MONOCYTE CHEMOATTRACTANT PROTEIN-1 ENHANCES TTX-RESISTANT SODIUM CURRENTS IN ISOLATED RAT DRG NEURONS M. Belkouch1, V. Bégis-Lavalloire1, N. Beaudet1, A. Chrabli1, S. Mélik-Parsiandian2, P. Sarret1, ‘Physiologie & Biophysique (FMSS), Univ. de Sherbrooke, Sherbrooke, QC, Canada, 2Faculté de Médecine Pitié Salpêtrière, Ctr. de recherche de l’Inst. Cerveau Moelle (CIM) UMR S 975 INSERM-UMR 7225 CNRS-UPMC, Paris, France

PT 279 ACTIVATION OF P38 MAP KINASE IN THE DRG CONTRIBUTES TO PAIN HYPERSENSITIVITY AFTER THE PLANTAR INCISION K. Miyagaki, M. Sasaki, Y. Izumi, M. Miura, M. Shibasaki, F. Amaya, Anesthesia, Kyoto Univ. Sch. of Med., Kyoto, Japan

PT 280 SENSITIZATION OF GROUP III AND GROUP IV AFFERENTS FROM INCISED MUSCLE IN VITRO J. Xu, H. Gu, T. J. Brennan, Dept. of Anesthesia, Univ. of Iowa, Iowa City, IA, USA

PT 281 CHARACTERIZATION OF LEUKEMIA INHIBITORY FACTOR (LIF) AFTER PLANTAR INCISION C. M. Spofford, S. Mohan, S. Kang, J. Tang, J. T. Brennan, Anesthesia, Univ. of Iowa, Iowa City, IA, USA

PT 282 BOTULINUM NEUROTOXIN TYPE A (BONTA) INFLUENCES THE MECHANICAL THRESHOLD OF TEMPORALIS MUSCLE NOCICEPTORS AND MUSCLE NEUROGENIC VASODILATION BY DECREASING INTERSTITIAL GLUTAMATE CONCENTRATION J. C. Krause1, M. C. Beaufort1, T. J. Brennan1, 1Anesthesiology, UC San Diego, San Diego, CA, USA, 2Pharmacology and Toxicology, Technische Universität München, Munich, Germany

PT 283 CHARACTERIZING MULTISEGMENTAL PROJECTIONS OF C AND Aβ AFFERENT COLLATERALS IN THE NEONATAL MOUSE SPINAL CORD S. Mandeep1, M. Tran, P. J. Whelan, Univ. of Calgary, Calgary, AB, Canada

PT 284 TEMPORAL RESPONSE OF CALCITONIN GENE-RELATED PEPTIDE AND GLUTAMINASE IN RAT DORSAL ROOT GANGLION NEURONS DURING ADJUVANT INDUCED ARTHRITIS Z. Zhang, E. M. Hoffman, R. Schechter, K. E. Miller, Anatomy & Cell Biology, Oklahoma State Univ.-Ctr. for Hlth. Sci., Tulsa, OK, USA

PT 285 ENHANCED SCRATCHING EVOKED BY PAR-2 AGONIST AND 5-HT BUT NOT HISTAMINE IN A MOUSE MODEL OF CHRONIC DRY SKIN ITCH T. Akivama, M. I. Carstens, E. Carstens, Univ. of California, Davis, Davis, CA, USA

PT 286 A MISLEADING PERCEPTION OF STIMULATION DURATION CAN MODIFY THE INTENSITY OF PAIN F. Pomarol1, J. J. Ferrer1, 1Dept. of Psychology, Univ. de Barcelona, Barcelona, Spain, 2CIC BiomaGUNE, Donostia-San Sebastián, Donostia-San Sebastián, Spain

PT 287 THE THERMAL GRILL ILLUSION OF PAIN IS RELATED TO COLD PAIN THRESHOLD M. E. Brunello1, J. O. Dostrovsky1, J. P. Hunter1, 1Physiology, Univ. of Toronto, Toronto, ON, Canada, 2Physical Therapy, Univ. of Toronto, Toronto, ON, Canada

PT 288 SUB-CLINICAL FEAR OF PAIN DETERMINES THE EXISTENCE OF AN ATTENTIONAL BIAS FOR PAIN-RELATED STIMULI C. Baum, R. Schneider, S. Lautenbacher, Psychology, Biological Psychology, Bamberg, Germany

PT 289 GENDER AND AGE DIFFERENCES IN PAIN-RELATED PSYCHOLOGICAL CONSTRUCTS AMONG CHILDREN AND ADOLESCENTS WITH AND WITHOUT A HISTORY OF PERSISTENT PAIN S. Fuss, G. Pagé, A. Martin, J. Katz, Psychology, York Univ., Toronto, ON, Canada

PT 290 GENDER DIFFERENCES AND PAIN RECALL IN YOUNG STUDENTS M. Chalaya1, N. Rui1, C. Dubray2, G. P. Pickering2, ‘Clinical Pharmacology Ctr., CIC501,Univ. Hosp., Clermont-Ferrand, France, 2Clinical Pharmacology Ctr., Univ. Hosp., and INSERM, U766, Pharmacology Dept., Clermont-Ferrand, France

PT 291 SEX DIFFERENCES IN THE INFLAMMATORY MEDIATOR-INDUCED SENSITIZATION OF DURAL AFFERENTS N. N. S. Gold, Anesthesiology and Neurobiology, Univ. of Pittsburgh, Pittsburgh, PA, USA

PT 292 ROLE OF ENDOTHELIN RECEPTORS IN RAT MODELS OF COMPLEX REGIONAL PAIN SYNDROME M. Yuon, W. Kim, Y. Kim, Anesthesiology & Pain Med., Charon Natl. Universitiy, Gwangju, Korea, Republic of

PT 293 RELIABILITY OF THE NOCICEPTIVE REFLEX RECEPTIVE FIELD PARAMETERS IN CHRONIC LOW BACK PAIN PATIENTS J. A. Bhurum Manresa1, A. Y. Neziri1, M. Curadori1, D. K. Anderson2, 1Dept. of Hlth., Sci. and Technology, Aalborg Univ., Aalborg Ost, Denmark, 2Univ. of Anaesthesiology and Pain Therapy, Inselspital, Bern, Switzerland

PT 294 PRESYNAPTIC CYCLIC GMP-DEPENDENT PROTEIN KINASE IN SPINAL PLASTICITY AND INFLAMMATORY PAIN C. Luo1, V. Gangadharan1, K. K. Bai1, I. Tegeder1, N. Agarwal1, A. Tappe-Theodor1, M. Kurepova1, S. Feil1, J. Schlossmann1, F. Hoffman2, R. Feil1, K. Tuner1, R. Kuner1, ‘Pharmakologisches Inst., Univ. Heidelberg, Heidelberg, Germany, 1Pharmazentrum Frankfurt, Klinikum der Johann Wolfgang Goethe Univ., Frankfurt am Main, Germany, 2Interfakultäres Inst. für Biochemie, Univ. Tübingen, Tübingen, Germany, 3Inst. für Pharmakologie und Toxikologie, Univ. Regensburg, Regensburg, Germany, 1Inst. für Pharmakologie und Toxikologie, Technische Univ. München, Munich, Germany, 2Inst. for Anatomy and Cell Biology, Univ. Heidelberg, Heidelberg, Germany

PT 295 FURTHER EVIDENCE FOR ANTIHYPERALGESIC ACTIONS OF CARBONIC ANHYDRASE INHIBITORS M. N. Alsud1, G. L. Mejia2, K. Kailai1, T. J. Price1, 1Dept. of Pharmacology, Univ. of Arizona, Tucson, AZ, USA, 2Dept. of Chemistry, Univ. of Arizona, Tucson, AZ, USA, 3Dept. of Biosci. and Neurosci. Ctr., Univ. of Helsinki, Helsinki, Finland

PT 296 ACTION OF NEUROSTEROIDS, DEHYDROPIANDROSTERONE AND DEHYDROPIANDROSTERONE SULFATE, ON THE SUBSTANTIA GELATINOSA NEURONS OF THE ADULT RAT SPINAL CORD M. Ikoma1, Y. Kawasaki1, T. Kohno, Anesthesiology, Nigata Univ., Nigata, Japan

PT 297 INFLAMMATORY PAIN ALTERS HIGH THRESHOLD AFFERENT INPUT TO NK1 RECEPTOR EXPRESSING LAMINA I RAT SPINAL CORD NEURONS C. Torsney1, Ctr. for Integrative Physiology, Univ. of Edinburgh, Edinburgh, United Kingdom

PT 298 ACTIVATION OF SPINAL SIGNALING PATHWAY OF PHOSPHOSINOCTIDE 3-KINASE (PI3K)-AKT -MAMMALIAN TARGET OF RAPAMYCIN (MTOR) MEDIATES INFLAMMATORY HYPERALGESIA Q. Xu1, B. Fitzsimmons1, J. Steinauer2, A. O’Neill1, A. Newton1, X. Hua1, T. Yaksi1, ‘Anesthesiology, UC San Diego, San Diego, CA, USA, 1Pharmacology, UC San Diego, San Diego, CA, USA

PT 299 MODULATION OF GLUALLYE AND NEUROPATHIC PAIN BY HERPES SIMPLEX VIRUS DRIVEN PROPREOEKENPHALIN AND MU OPIOID RECEPTOR EXPRESSION IN PRIMARY AFFERENTS S. M. Sweitzer1, K. Velazquez2, W. Spears2, S. F. Wilson2, S. N. Raja1, 1Pharmacology, Physiology, Neurosci., Univ. of South Carolina Sch. of Med., Columbia, SC, USA, 2Anesthesiology and Critical Care Med., Johns Hopkins Univ. Sch. of Med., Baltimore, MD, USA
PT 300 PAW CARRAGEENAN ELICITS SPINAL P-AKT IN LAMINAE I, V AND IX AT DIFFERENT TIMES: P-AKT IS BLOCKED BY SPINAL SP-SAPORIN J. Choi1, C. I. Svensson2, J. E. Koehn3, L. Sorkin3, 1Dept. of Anesthesiology and Pain Med., Chonnam Natl. Univ., Gwangju, Korea, 2Dept. of Anesthesiology, Univ. of California, La Jolla, CA, USA

PT 301 A POSSIBLE INHIBITORY MECHANISM INVOLVING SOXOMATOSTATIN IN LAMINIA II OF THE RAT SPINAL DORSAL HORN REVEALED BY AN ELECTROPHYSIOLOGICAL, MORPHOREAL AND NEUROCHEMICAL INVESTIGATION T. Yasaka1, 2, Y. T. Igarashi1, 2, Y. T. Inoue1, 2, D. I. Hughes1, N. Hirakawa1, T. Fujita1, E. Kumamoto1, J. S. Riddell1, A. J. Todd1, 3IBLS, Univ. of Glasgow, Glasgow, United Kingdom, 1Dept. of Physiology, Saga Med. Sch., Saga, Japan, 2Dept. of Anesthesiology and Critical Care Med., Saga Med. Sch., Saga, Japan

PT 302 HETEROSEGMENTAL CONDITIONED PAIN MODULATION OF TEMPORAL SUMMATION ASSESSED BY THE HUMAN NOCICEPTIVE WITHDRAWAL REFLEXES C. D. March1, G. He, L. Arendt-Nielsen2, O. K. Andersen3, Ctr. for Sensory-Motor Interaction, Aalborg Univ., Aalborg, Denmark

PT 303 INFLUENCE OF ACUTE NECK MUSCLE INFLAMMATION ON THE EXCITABILITY OF SUPERFICIAL DORSAL HORN NEURONS B. M. Harris1, B. A. Graham, P. S. Bolton, A. M. Brincha, R. J. Callister, Sch. of BioMed. Sci. & Pharmacy, The Univ. of Newcastle, Callaghan, NSW, Australia

PT 304 AT THE SOURCES OF CHOLINERGIC ALANGLASIA: CHOLINERGIC NEURONES OF THE DORSAL SPINAL CORD AND DRG B. Mesnage, S. Gaillard, R. Schlichter, M. Cordero-Erausquin, Nociception et Douleur, INCI UPR 3212 CNRS, Strasbourg, France

PT 305 LOCAL ANESTHETICS FOR SYMPHOMATIC BLOCK T. Kitamodele, T. Hashimoto, T. Iwasaki, T. Kitajima, T. Inoue, T. Ito1, 2, G. C. Feige2, 1Hosp. Klangenfurt, Dept. of Anesthesiology and Intensive Care, Klangenfurt, Austria, 2Med. Univ. Graz, Inst. of Anatomy, Graz, Austria


PT 308 DUAL MODULATION OF SYNAPTIC PLASTICITY IN CORTICAL SLICES BY H3 AGONISTS AND ANTAGONISTS J. J. Pelleiter, S. Auger, A. Serrano, S. J. Elmes, M. Perkins, C. Q. Cao, BioScIt, AstraZeneca R&D Montréal, Ville Saint-Laurent, QC, Canada


PT 310 GENDER AND SITE DIFFERENCES IN TRIGEMINAL SENSITIVITY OF HEALTHY HUMAN SUBJECTS P. M°. Pati1, K. Wang1, 2, J. D. Sienk1, B. Neumann1, T. Jensen2, P. Svensson3, L. Arendt-Nielsen4, 1Ctr. for Sensory-Motor Interaction, Aalborg Univ., Aalborg, Denmark, 2Dept. of Oral and Maxillofacial Surgery, Aalborg Hosp., Aalborg, Denmark, 3Dept. of Prosthetic Dentistry and Stomatognathic Physiology, Univ. of Aarhus, Aarhus, Denmark

PT 311 ARE CORTICAL EXITATION DISTURBANCES ABLE TO REGULATE MENINGEAL NOCICEPTIVE INPUTS TO THE TRIGEMINO-CERVICAL COMPLEX? A ROLE OF CORTICAL SPREADING DEPRESSION IN THE ENDGENOUS MODULATION OF MIGRAINE PAIN L. Bourgeais1, R. Noseda2, L. Constandil1, M. Chalus3, M. Hamon1, L. Villanueva4, 1Site Pitié Salpêtrière, INSERM/CPN/UPMC, UMR 894, Paris, France, 2Dept. of Anesthesia, BIDMC, Harvard Med. Sch., Boston, MA, USA, 3Dept. of Biologia, Univ. de Santiago, Chile, Santiago, Chile, 4Faculté de Pharmacie, INSERM U.766, Clermont-Ferrand, France

PT 312 PROTEASE-ACTIVATED RECEPTOR 2 IN THE TRANSITION FROM ACUTE TO CHRONIC HEAD AND NECK CANCER PAIN D. K. Lam1, J. C. Dolan, B. L. Schmidt, Oral & Maxillofacial Surgery, Univ. of California San Francisco, San Francisco, CA, USA

PT 313 DEGREE OF PAIN RELIEF FROM HYPNOSIS IS ASSOCIATED WITH PRE-TREATMENT SOMATOSENSORY SENSITIVITY IN PATIENTS WITH PERSISTENT IDIOPATHIC OROFACIAL PAIN L. Baad-Hansen1, A. Randall2, S. Peter3, 1Clinical Oral Physiology, Univ. of Aarhus, Aarhus, Denmark, 2MindsLab, Ctr. of Functionally Integrative Neurosci., Aarhus Univ. Hosp., Aarhus, Denmark

PT 314 BLOOD BRAIN BARRIER DISRUPTION IN A MODEL OF CHRONIC MIGRAINE C. R. Maxwell4, M. Oshinsky, Neurology, Thomas Jefferson Univ., Philadelphia, PA, USA

PT 315 CENTRAL SENSITIZATION IN THE RAT MEDULLARY DORSAL HORN IS DEPENDENT ON GLIAL CELL FUNCTION C. Chiang1, K. Itoh2, Z. Li1, P. S. Cherkas2, N. Kumar3, S. Begas3, 1J. O. Dostrovsky4, 2M. W. Salter1, 3T. J. Codere2, 4B. J. Sessle4, 1Faculty of Dentistry, Univ. of Toronto, Toronto, ON, Canada, 2Dept. of Anesthesia, McGill Univ., Montréal, QC, Canada, 3Hosp. for Sick Children, Univ. of Toronto, Toronto, ON, Canada, 4Dept. Physiology, Univ. of Toronto, Faculty of Med., Toronto, ON, Canada

PT 316 SPINAL CORD PLASTICITY AND ACID-SENSING INN CHANNEL INVOLVEMENT IN A RODENT MODEL OF IRITABLE BOWEL SYNDROME J. Matric1, A. Gelot1, M. Etienne1, E. Muller2, M. Ladzunska2, D. Ardid3, 1Laboratoire de Pharmacologie Médicale, Clermont Univ., Univ. d’Auvergne, INSERM, U 766, Clermont Ferrand, France, UMR6097 CNRS, Univ. de Sophia-Antipolis, IPMC, Sophia Antipolis, Valbonne, France

PT 317 CHRONIC STRESS INCREASES UROCORTIN II AND CRF RECEPTOR EXPRESSION IN THE RAT SPINAL CORD M. T. Robbins1, C. R. DeWitte2, T. J. Ness, Anesthesiology, Univ. of Alabama at Birmingham, Birmingham, AL, USA

PT 318 INTRAVESICAL ADMINISTRATION OF A CANNABINOID (CB1/CB2 AGONIST REDUCES THE INFLAMMATION-INDUCED SENSITIZATION OF BLADDER AFFERENTS J. S. Wieliczak, P. Cerbero, Anesthesia Res. Unit and Alan Edwards Ctr. for Res. on Pain, McGill Univ., Montréal, QC, Canada

PT 319 VISCERAL AGALGESIC EFFECT OF 5-HT, AGONIST IS NOT A PERIPHERAL ACTION, BUT VIA THE CENTRAL OPIOID SYSTEM J. N. Sengupta2, A. Mickle1, R. Shaker1, R. Spruell3, J. McRorie1, A. Miranda2, 1Gastroenterology & Hepatology, Med. Coll. of Wisconsin, Milwaukee, WI, USA, 2Pediatric Gastroenterology, Med. Coll. of Wisconsin, Milwaukee, WI, USA, 3Procter & Gamble Pharmaceutical Inc., Mason, OH, USA

PT 320 GLT-1 OVER-EXPRESSION ATTENUATES BLADDER NOCICEPTION, AND CROSS-ORGAN SENSITIZATION OF BLADDER NOCICEPTION M. Yang, K. Roman, R. L. Stephens, Physiology and Cell Biology, The Ohio State Univ., Columbus, OH, USA

PT 321 BLADDER OVERACTIVITY CAUSED BY CHRONIC CYSTITIS IS DECREASED BY NEUROTROPHIN BLOCKADE C. D. Cruz1, B. Frias2, A. Charrua3, A. Siler4, D. Dawbarn3, F. Cruz4, 1Inst. Histology and Embryology, Neurology, Thomas Jefferson Univ., Philadelphia, PA, USA, 2Dept. of Pharmacology, Karolinska Inst., Stockholm, Sweden, 3Anesthesiology, Univ. of California, La Jolla, CA, USA, 4Dept. Physiology, BIDMC, Harvard Med. Sch., Boston, MA, USA

PT 322 COMBINATION OF FLUPRINE AND OPIOID DRUGS IN THE RAT OROFACIAL FORMALIN TEST: A NONLINEAR ISOBOLOGIC ANALYSIS A. De Corato, M. Treglia1, G. Tringali1, M. Evangelista2, P. Navarra2, A. Capuano2, 1Pharmacology, Catholic Univ. Sch. of Med., Rome, Italy, 2Anesthesiology and Pain Therapy, Catholic Univ. Sch. of Med., Rome, Italy

PT 325 PATIENT ACCEPTABILITY AND TOLERABILITY OF FENTANYL SULPHATE IN THE TREATMENT OF BREAKTHROUGH CANCER PAIN T. Sitte1, A. Davies2, W. Raffo3, L. Torres4, J. Espinosa5, 1PalliativNetz Osthessen, Fulda, Germany, 2Royal Marsden NHS Fndn. Trust, Surrey, United Kingdom, 3Pain Therapy and Palliative Care-Hospice Unit, Infermi Hosp., Rimini, Italy, 4Servicio de Anestesia/Puerta del Mar, Cadiz, Spain, 5Unidad de Cuidados Paliativos/Inst. Catalán de Oncologia, Barcelona, Spain, 6Edinburgh Cancer Res. Ctr., Edinburgh, United Kingdom
PT 326 IS ANALGESIC EFFICACY OF TRAMADOL IMPAIRED BY CO-ADMINISTRATION OF ONDANSETRON? U. M. Stamer1,2, N. I. Rauers, E. H. Lee1, M. Kobalig, F. Musshoff1, F. Steiber1, Dept. of Anesthesiology and Intensive Care Med., Univ. of Bonn, Bonn, Germany, Dept. of Anesthesiology and Pain Med., Univ. of Bern, Bern, Switzerland, Dept. of Forensic Med., Univ. of Bonn, Bonn, Germany


PT 328 IN VITRO AND IN VIVO PHARMACOLOGICAL PROFILE OF 6-GLYCINE SUBSTITUTED 14-PHENYLPROPOXYMORPHINANS, HIGH AFFINITY AND POTENT OPIOID ANTINOCICEPTIVE AGENTS M. Speitelin, P. Windisch1, P. O. Windisch1, Y. Guo2, I. Bileviciute-Ljungar2, J. Schütz1, P. Riba3, K. Kiraly3, M. Al-Khrasani2, S. Fürst1, H. Schmidthammer1, Dept. of Pharmacy, Dept. of Pharmaceutical Chemistry, CMBI, Univ. of Innsbruck, Innsbruck, Austria, Dept. of Physiology and Pharmacology, Karolinska Inst., Stockholm, Sweden, Dept. of Pharmacology and Pharmacotherapy, Semmelweis Univ., Budapest, Hungary

PT 329 PAIN: A REPORT ON PERIOPERATIVE MANAGEMENT IN A LIMITED-RESOURCE SETTING J. A. Young, J. Khan, Z. Yan, K. I. Chen, E. Hadlaq, E. Eliav, Diagnostic Sci., UMDNJ, Newark, NJ, USA


PT 331 TISSUE DIFFERENTIATED EFFECTS OF TRANSDERMAL BUPRENORPHINE AND FENTANYL T. Andresen1,2, C. Staahl1, H. Mansikka3, A. Oksche4,5, K. Reimer4,6, K. J. Smith4, L. Arendt-Nielsen7, A. M. Barreveld1, D. J. Correll1, Pain Management Ctr., Nottingham, United Kingdom, Dept. of Anaesthesia, Natl. Orthopaedic Hosp., Igbobi (NOHI), Lagos, Nigeria, Dept. of Pharmacology and Pharmacotherapy, Semmelweis Univ., Budapest, Hungary


PT 335 INITIAL EXPERIENCE WITH PAIN AND PALLIATIVE CARE SERVICE FOR ADVANCED CERVICAL AND BREAST CANCER IN NIGERIAN PATIENTS O. A. Soyannwo1, A. Onibokun2, S. D. Amanor-Boadu1, T. Elumelu1, T. Olayiwola2, A. Ajayi2, A. Ajayi2, A. Ajayi2, Dept. of Anaesthesia, Univ. of Ibadan, Ibadan, Nigeria, Dept. of Nursing, Univ. of Ibadan, Ibadan, Nigeria, Dept. of Radiology, Univ. of Ibadan, Ibadan, Nigeria, Dept. of Epidemiology Med. Statistica and Environmental Hlth., Univ. of Ibadan, Ibadan, Nigeria, Hospices and Palliative Care Unit, Univ. Coll. Hosp., Ibadan, Nigeria

PT 336 BARRIERS TO CANCER PAIN MANAGEMENT IN BRAZILIAN PATIENTS AND CAREGIVERS A. F. Borba Jr.1, A. A. Andrade1, D. B. Leite2, J. S. Garcia2, Oncology, Inst. Maranhense de Oncologia, Sao Luis-MA, Brazil, Anesthesiology and Pain, Federal Univ. of Maranhao, Sao Luis-MA, Brazil

PT 337 TWICE-DAILY TRAMADOL/ACETAMINOPHEN COMBINATION PRODUCT: OVERVIEW OF PHARMACOKINETIC PROPERTIES C. Fradette1, D. Karhu2, W. F. McCarthy1, S. Robertson1, Labopharm, Laval, QC, Canada, Consultant (formerly Labopharm, Laval, QC, Canada, 4Guys Drug Res. Unit, Quintiles Ltd, London, United Kingdom


PT 339 EVALUATION OF THE DOSE RANGE OF ETOCOXIB IN AN ACUTE PAIN SETTING USING THE POSTOPERATIVE DENTAL PAIN MODEL S. E. Daniels1, M. C. Losada2, H. Liu3, A. Mehta3, P. M. Pelozo2, Premier Res. Group, Austin, TX, USA, Merck Res. Lab., Rahway, NJ, USA

PT 340 ORAL ANALGESIC PRESCRIBING AFTER MAJOR ORTHOPEDIC AND GYNECOLOGICAL SURGERY R. D. Knaggs1, J. Thakerar2, J. S. Deeny1, D. A. Kendall1, Pain Management Ctr., Nottingham Univ. Hosp. NHS Trust, Nottingham, United Kingdom, Univ. of Nottingham, Nottingham, United Kingdom, Sch. of BioMed. Sci., Univ. of Nottingham, Nottingham, United Kingdom

PT 341 NON-INVASIVE INTERACTIVE NEUROSTIMULATION (INTERX®) AS AN ADJUNCT FOR PAIN CONTROL IN PATIENTS FOLLOWING TOTAL KNEE AND TOTAL HIP REPLACEMENT: A RANDOMIZED, PLACEBO CONTROLLED TRIAL A. Peddada, G. Maale, Dallas Presbyterian Hosp., Dallas, TX, USA


PT 343 BARRIERS TO CANCER PAIN MANAGEMENT IN BRAZILIAN PATIENTS AND CAREGIVERS A. F. Borba Jr.1, D. B. Leite2, J. S. Garcia2, Oncology, Inst. Maranhense de Oncologia, Sao Luis-MA, Brazil, Anesthesiology and Pain, Federal Univ. of Maranhao, Sao Luis-MA, Brazil

PT 344 TRIAL OF A PROTOCOL FOR MANAGEMENT OF DIFFICULT CANCER PAIN IN INDIA M. R. Rajagopal1, M. M. Sunilkumar, B. Chakrapani, Pallium India, Trivandrum Inst. of Palliative Sci., Trivandrum, Kerala, India

PT 345 EFFECTIVENESS OF COMBINED KETAMINE AND OPIOID INFUSIONS IN MANAGING REFRACTORY CANCER PAIN E. J. Fitzgibbon1, S. Bruyere2, Palliative Care, Univ. of Ottawa, Ottawa, ON, Canada, Palliative Care Program, The Ottawa Hosp., Ottawa, ON, Canada

Tuesday, August 31, 2010
PT 349 VALIDATION OF THE SECOND STEP OF THE WHO ANALGESIC LADDER: IT IS NECESSARY TO USE WEAK OPIOIDS? R. F. Rodríguez, M. L. Caeccio, Anesthesiology and Pain Med., Univ. Libre Seccional Caltl, Cali, Colombia

PT 350 LONG-TERM SAFETY AND TOLERABILITY OF FENTANYL PECTIN NASAL SPRAY IN THE TREATMENT OF BREAKTHROUGH CANCER PAIN M. Wallace, A. Burton, S. Weinstein, J. Ellershaw, E. A. Lux, R. K. Portenoy, UCSF Ctr. for Pain Med., San Diego, CA, USA, MD Anderson Cancer Ctr., Houston, TX, USA, Huntsman Cancer Inst., Salt Lake City, UT, USA, Marie Curie Palliative Care Inst., Liverpool, United Kingdom, St. Marien-Hosp., Lünen, Germany, Beth Israel Med. Ctr., New York, NY, USA


PT 352 TREATMENT OF REFRACTORY POSTHERPETIC NEURALGIA WITH NABILONE S. Basque, M. C. Ong, Med. Clinic, Valeant Canada, Calgary, AB, Canada, Med. Clinic, 502-1160 Burrard Street, Vancouver, BC, Canada

PT 353 A COMPARISON OF COLD PRESSOR PAIN PERCEPTION IN LIGHT, MEDIUM AND HEAVY RECREATIONAL CANNABIS USERS L. A. Mitchell, J. W. McDowell, P. Dalgarno, R. Hammersley, Psychology, Glasgow Caledonian Univ., Glasgow, United Kingdom

PT 354 HEMOPRESSIN INDUCES ANTIINOCICEPTION IN AN EXPERIMENTAL MODEL OF NEUROPATHIC PAIN E. T. Miqael, E. S. Ferro, A. S. Heimann, C. S. Dale, Lab. of Neuromodulation and Experimental Pain, Inst. of Teaching and Res. Siro-Libanès Hosp., São Paulo, Brazil, Cell and Dev. Biology, Univ. of São Paulo, São Paulo, Brazil, Proteomax Biotechnology, São Paulo, Brazil

PT 355 MULTI-PROCEDURE FOR EFFECTIVE INTERVENTIONAL PAIN MANAGEMENT N. Jia, Pain Specialist, Spine & Pain Clinic, New Delhi, India, Pain Clinic, Sri Balaji Action Inst., New Delhi, India


PT 357 CONTINUOUS EPIDURAL ANALGESIA IN THORACIC SURGERY AS A PREVENTION OF CHRONIC POSTOPERATIVE PAIN M. Kulichova, M. Galová, Z. Ciljáková, E. Bakošová, Pain Clinic and Dept. of Anesthesiology and Intensive Care, Univ. Hosp., Martin, Slovakia

PT 358 POSTOPERATIVE PAIN CONTROL AND MOBILISATION FOLLOWING TOTAL HIP REPLACEMENT USING CONTINUOUS WOUND INFILTRATION CATHETERS Q. A. Siddiqui, C. Perera, Anaesthesiatics, Guy’s and St. Thomas’ Hosp., London, United Kingdom, Anaesthesiatics, Queen Elizabeth the Queen Mother Hosp., Margate, United Kingdom

PT 359 CONTINUOUS BLOCK AT HOME FOR CHRONIC PAIN MANAGEMENT R. O. Rocha, C. M. Nishimura, L. T. Yong, M. J. Teixeira, Neurology, Hosp. of Clinics of Sch. Med. of Univ. of Sao Paulo, Sao Paulo, Brazil

PT 360 USE OF ULTRASOUND GUIDED TRANSVERSUS ABDOMINIS PLANE (TAP) BLOCK TO TREAT CHRONIC ABDOMINAL WALL PAIN IN A PEDIATRIC PATIENT D. Simpson, J. Tyrell, F. Campbell, Anaesthesia, The Hosp. for Sick Children, Toronto, ON, Canada, Anaesthesia, Univ. of Toronto, Toronto, ON, Canada

PT 361 IDIOPATHIC INTRATRACHEAL CHRONIC HICCUPS (ICH) SUCCESSFULLY TREATED WITH SERIES OF ULTRASOUND GUIDANCE PHRENIC NERVE AND VAGUS NERVE BLOCKS C. E. Restrepo, A. J. Avila, A. Avantaja, M. J. Avila, G. Facquier, Anesthesiology, Sunnybrook Hth. Sci. Ctr., Toronto, ON, Canada, Rehabilitation Med., Baylor Med. Sch., Dallas, TX, USA, MEDICINE, ALL SAINTS MED. SCHOOL, Toronto, ON, Canada

PT 362 LOW BUT NOT HIGH FREQUENCY TENS ANALGESIA IS REDUCED IN OPIOID TREATED PATIENTS G. Léonard, C. Cloutier, S. Marchand, Univ. of Sherbrooke, Sherbrooke, QC, Canada

PT 363 SPINAL CORD STIMULATION IS EFFECTIVE IN MANAGEMENT OF COMPLEX REGIONAL PAIN SYNDROME (CRPS-I): FACT OR FICTION K. Kumar, S. A. Rizvi, Neurosurgery, Regina Gen. Hosp., Regina, SK, Canada

PT 364 IMMEDIATE DECLINE OF SENSORY PERCEPTION AFTER PULSED RADIOFREQUENCY APPLICATION OF THE DORSAL ROOTganglion k. Uehida, M. Ikeda, Anesthesiology, Kurashiki Central Hosp., Kurashiki, Japan

PT 365 PATIENT SELECTION IN CHRONIC NEUROPATHIC BACK PAIN FOR NEUROMODULATION AFTER IMPROVEMENT WITH OXYCODONE/NALOXONE T. H. Cegla, Zentrainstitut fur Anästhesie, Intensivmedizin, Schmerzmedizin, Klinikverbund St. Antonius and St. Josef, Wuppertal, Germany

PT 366 SYSTEMATIC MULTIDISCIPLINARY EVALUATION DURING SPINAL CORD STIMULATION TEST PHASE: PHYSICAL FUNCTION EVALUATION MATTERS P. Mavricoretto, D. Skouvaklis, M. Colomb, M. Lavendière, M. Duplan, D. Soderstrom, C. Ancey, Pain Management Ctr., Clinique Cecil, Lausanne, Switzerland

PT 367 ANALGESIC EFFICACY OF CONVENTIONAL AND ACUPUNCTURE-LIKE TENS: A COMPARATIVE STUDY BETWEEN MUSCULOSKELETAL PAIN PATIENTS AND FIBROMYALGIA PATIENTS M. Mauger, G. Léonard, S. Marchand, Univ. of Sherbrooke, Sherbrooke, QC, Canada


PT 369 BRAIN CONNECTIVITY IN CHRONIC PAIN: A DIFFUSION TENSOR IMAGING ANALYSIS A. Green, L. Moir, P. Hansen, G. Quaghebeur, A. Azz, P. Schwedel, Neurosurgery, Oxford Univ., Oxford, United Kingdom, Dept. of Physiology, Anatomy and Genetics, Oxford Univ., Oxford, United Kingdom, Neuroradiology, John Radcliffe Hosp., Oxford, United Kingdom

PT 370 SUSTAINED REVERSAL OF ALDOLYXIA IN NEUROPATHIC PAIN MODELS WITH SELECTIVE ALPHA 2B ADRENERGIC RECEPTOR AGONIST J. E. Donello, C. M. Cheevers, S. L. Mistry, D. W. Gil, Biological Sci., Allergen, Irvine, CA, USA


PT 373 EFFICACY OF THE KAPPA OPIOID AGONIST CR845 IN RODENT MODELS OF ITCH AND INITIAL EVALUATION IN HEMODIALYSIS PATIENTS FOR THE TREATMENT OF UREMIC PRURITUS D. T. Chalmers, R. H. Spencer, L. R. Gardell, G. Labissiere, S. J. O’Connor, F. Menzaghi, Cara Therapeutics, Inc., Shelton, CT, USA

PT 375 STATINS ALLEVIATE NERVE INJURY-INDUCED NEUROPATHIC PAIN X. Q. Shi, T. K. Lim, J. Zhang, The Alan Edwards Ctr. for Res. on Pain, McGill Univ., Montréal, QC, Canada


PT 378 FLUPIRTINE AS AN ADJUNCT TO OPIOID ANALGESIA IN HU NEOVASCULAR PAIN C. L. Cherry1, B. J. Brew2, C. Downs3, C. Gregorio1, 1Sch. of Med., Maebashi, Japan, 2DESCRIPTION, 3MONASH Inst. of Med. Res., Clayton, Victoria, Australia

PT 380 CONSISTENT ANALGESIC EFFICACY OF TAPENTADOL PROLONGED RELEASE COMPARED WITH OXYPREXONE CONTROLLED RELEASE: POOLED RESULTS FROM RANDOMIZED, DOUBLE-BLIND PHASE 3 STUDIES IN PATIENTS WITH MODERATE TO SEVERE CHRONIC PAIN M. J. Rodríguez1, J. Herrera2, 1Pain Clinic, Hosp. Univ. Carlos Haya, Málaga, Spain, 2Pain Clinic, Hosp. Univ. Antequera, Antequera, Spain

PT 381 IBUPROFEN EFFERVESCENT TABLETS PROVIDE FASTER ONSET OF ANALGESIA THAN STANDARD IBUPROFEN TABLETS. IBUPROFEN EFFERVESCENT TABLETS PROVIDE FASTER ONSET OF ANALGESIA THAN STANDARD IBUPROFEN TABLETS. Tobe, H. Obata, S. Saito, F. Goto, Anesthesiology, Gunma Univ. Graduate Sch. of Med., Maebashi, Japan


PT 383 SELECTIVITY OF CONTRAST FLOW DURING SELECTIVE NERVE ROOT BLOCK N. P. Singh1, J. K. Makkar2, V. Rastogi3, 1Dept. of Anesthesia, Banaras Hindu Univ., Varanasi, India, 2Dept. of Anesthesia, Post Graduate Inst. of Med. Ed. and Res., Chandigarh, India

PT 384 PENTAZOCINE INCREASES BISPECTRAL INDEX VALUES DURING NITROUS OXIDE-SEVOFLURANE ANESTHESIA. H. Oyake, K. Onuki, Y. Yamanishi, S. Uchida, T. Imamura, S. Nakamura, H. Nagasaka, H. Nagasaka, H. Nagasaka, 1Epidemiology, Biostatistics and Occupational Hlth., McGill Univ., Montréal, QC, Canada, 2Anesthesiology, Univ. de Montréal, Montréal, QC, Canada, 3Family Med., Univ. de Montréal, Montréal, QC, Canada

PT 385 THE COST EFFECTIVENESS OF SPINAL CORD STIMULATION IN THE TREATMENT OF FAILED BACK SURGERY SYNDROME: A UNITED STATES PERSPECTIVE ANALYSIS. T. J. Smith1, R. B. North2, J. Shipley3, 1Dept. of Neurology, The Headache Clinic, Aarhus, Denmark, 2Dept. of Neurology, Danish Pain Res. Ctr., Aarhus, Denmark

PT 386 Prolonged Release Oxycodeone/Naloxone Tablets: Modelling of Oxycodeone Pharmacokinetics M. Mundir1, B. Weatherley1, K. J. Smith1, 1Mundipharma Res. Ltd., Cambridge, United Kingdom, 2Classical & Bayesian Solutions Ltd., Opotingt, Kent, United Kingdom

PT 387 Prolonged Release Oxycodeone/Naloxone Tablets: Population Pharmacokinetics K. J. Smith1, M. Mundir1, B. Weatherley1, 1Mundipharma Res. Ltd., Cambridge, United Kingdom, 2Classical & Bayesian Solutions Ltd., Opotingt, Kent, United Kingdom

PT 388 Long-Term Efficacy, Safety and Quality of Life of Oxycodeone and Naloxone in a Prolonged Release (PR) Fixed Combination in Patients with Chronic Pain E. A. Lux1, W. Kremer2, P. Leyendecker3, 1Klinik für Schmerz- und Palliativmedizin, Klinikum St.-Marien-Hosp. Lünen, Lünen, Germany, 2Mundipharma Res. GmbH & Co. KG, Limburg, Germany

PT 389 FENTANYL BUCCAL TABLET COMPARED WITH IMMEDIATE-RELEASE OXYCODONE FOR THE MANAGEMENT OF BREAKTHROUGH PAIN IN OPIOID-TOLERANT PATIENTS WITH CHRONIC PAIN M. A. Ashburn1, K. A. Selevro2, J. Messina3, F. Kie1, 1Dept. of Anesthesiology and Critical Care, Univ. of Pennsylvania, Philadelphia, PA, USA, 2Cephalon, Inc., Frazer, PA, USA

PT 390 METHADONE FOR PAIN CONTROL IN ERDHEIM CHESTER SYNDROME (POLYOSTOTIC SCLEROSING HISTIOCYTOSIS): CASE REPORT V. S. Lima, F. B. Fukushima, G. A. Baros, Anesthesiología, Terapia Antagica e Cuidados Paliativos, UNESP, Botucatu, Brazil

PT 391 LONG-TERM STABILITY OF MENTAL HEALTH AND PHYSICAL FUNCTION IN PATIENTS PRESCRIBED OPIOID THERAPY FOR CHRONIC NONCANCER PAIN: DATA FROM THE OPIOID UTILIZATION STUDY M. J. Rodríguez1, J. Herrera2, 1Pain Clinic, Hosp. Univ. Carlos Haya, Málaga, Spain, 2Pain Clinic, Hosp. Univ. Valme, Sevilla, Spain

PT 392 TEMPORAL TRENDS IN OPIOID PRESCRIPTIONS IN QUEBEC, CANADA K. Reidel1, M. Chouinère1, R. Tamblín1, D. Dion1, D. Buckeridge1, 1Epidemiology, Biostatistics and Occupational Hlth., McGill Univ., Montréal, QC, Canada, 2Anesthesiology, Univ. de Montréal, Montréal, QC, Canada, 3Family Med., Univ. de Montréal, Montréal, QC, Canada

PT 393 A RETROSPECTIVE MULTICENTER TRIAL IN ANDALUCIA TO ANALYZE 72-HOUR ANALGESIC EFFICACY AND SAFETY OF A NEW TRANSDERMAL FENTANYL PATCH WITH RATE-CONTROLLING MEMBRANE, COMPARED TO CONVENTIONAL OR BIOEQUIVALENT GENERIC FENTANYL MATRIX PATCH TREATMENT IN CANCER AND NONCANCER PAIN M. J. Rodríguez1, J. Herrera2, 1Pain Clinic, Hosp. Univ. Carlos Haya, Málaga, Spain, 2Pain Clinic, Hosp. Univ. Valme, Sevilla, Spain

PT 394 A CONSECUTIVE STUDY OF HEADACHE PATIENTS WITH DYSTONIC FEATURES TREATED BY MEANS OF BOTULINUM TOXIN A (DYSPORT) D. S. Krudsen1, H. Kasch2, 1Dept. of Neurology, The Headache Clinic, Aarhus, Denmark, 2Dept. of Neurology, Danish Pain Res. Ctr., Aarhus, Denmark

PT 395 THE COST EFFECTIVENESS OF SPINAL CORD STIMULATION IN THE TREATMENT OF FAILED BACK SURGERY SYNDROME: A UNITED STATES PERSPECTIVE ANALYSIS P. S. Taylor1, R. B. North2, J. Shipley3, A. Bentley1, 1Peninsula Med. Sch., Univ. Exeter & Plymouth, Exeter, United Kingdom, 2The Sandra and Malcolm and Sandra Berman Brain & Spine Inst., Sinai Hosp., Baltimore, MD, USA, 3The Neuromodulation Fndn., Baltimore, MD, USA, 4Abacinc Ltd., Bicester, United Kingdom

PT 396 INVESTIGATING MOLECULAR-GENETIC CORRELATES OF CANCER-RELATED FATIGUE E. Saligan, Natl. Inst. of Nursing Res., NIH, Bethesda, MD, USA


PT 399 CEREBRAL PLASTICITY IN PAINFUL PHANTOM LIMB DUE TO AVULSION OF BRACHIAL PLEXUS: A STUDY WITH TRANSCRANIAL MAGNETIC STIMULATION AND FUNCTIONAL MAGNETIC RESONANCE IMAGING Y. S. de Oliveira1, E. T. Fonoff1, Y. S. de Oliveira1, V. P. Araujo1, M. M. Martins1, J. N. de Medeiros1, G. Ballestere, 1, M. Marcoliri1, M. J. Teixeira1, 1Div. of Functional Neurosurgery, Hosp. das Clínicas of Faculty of Med. of Univ. of São Paulo, São Paulo, Brazil, 2Radiology Inst., Hosp. das Clínicas of Faculty of Med. of Univ. of São Paulo, São Paulo, Brazil, 3Div. of Clinical Neuropsychiatry, Hosp. das Clínicas of Faculty of Med. of Univ. of São Paulo, São Paulo, Brazil, 4Div. of Transcranial Magnetic Stimulation, Hosp. das Clínicas of Faculty of Med. of Univ. of São Paulo, São Paulo, Brazil
PT 406 ACUPUNCTURE TREATMENT OF REPETITIVE STRAIN INJURIES D. M. Hengay1, J. J. Murata1, G. J. Fernandes1, R. V. Gutierrez1, S. P. Loreiro1, 1Anesthesiology, Med. Faculty, Botucatu, Brazil, 2Acupuncture, Inst. Van Gui, São Paulo, Brazil, 3Animal Sci., São Marcos Univ., São Paulo/SP/Brasil., São Paulo, Brazil

PT 407 MRI-GUIDED FOCUSED ULTRASOUND (MRgFUS) AS AN INNOVATIVE NEW THERAPEUTIC MANAGEMENT OF LOW BACK PAIN DUE TO FACET JOINT OSTEOARTHRITIS E. M. Weeks, D. A. Deeb, E. Dick, M. W. Platt, W. M. Gedroyc, Imperial Coll. London, London, United Kingdom

PT 408 TEST RESULTS SHOWING BENCH RELIABILITY ON CATHERET DISLODGEMENT FOR ASCENDA® MEDTRONIC NEUROMODULATION’S NEXT-GENERATION CATHERET K. Hokansson, M. Metzler, J. Kopp, A. Servi, A. Gjoraas, Neuromodulation, Medtronic, Inc., Minneapolis, MN, USA

PT 409 A NEW SIMPLE AND SAFE APPROACH TO THE LONG-TERM TREATMENT OF SACROCILIAC JOINT PAIN R. Bellini1, M. Barbir2, G. P. Patrucco1, C. Galdabini2, C. Bonezzi2, 1Pain Management Unit, Pain Ctr.-St. Spirit Hosp., Casale Monferrato, Italy, 2Pain Management, Lubbock, TX, USA

PT 410 A RETROSPECTIVE ANALYSIS TO IDENTIFY BENEFITS AND SIDE EFFECTS OF FLUPRITINE IN 123 CHRONIC NONMALIGNANT PAIN PATIENTS J. E. Devulder, Pain Dept., Ghent Univ. Hosp., Ghent, Belgium


PT 412 USING GABAPENTIN PREOPERATIVELY FOR PREVENTION OF POSTOPERATIVE PAIN IN SHORT PROCEDURES M. Arnaud, Anesthesia and Intensive Care, AL-ASSAD Univ. Hosp., Damascus, Syrian Arab Republic

PT 413 ANTI-INFLAMMATORY TREATMENT OF COMPLEX REGIONAL PAIN SYNDROME TYPE-1 (CRPS-1): A META-ANALYSIS S. G. Fischer1,2, W. W. Zuurmond1,2, S. A. Loer1, R. S. Perez1,2, 1Anesthesiology, VU Univ. Med. Ctr., Amsterdam, Netherlands, 2Knowledge Consortium Trauma Related Neural Dysfunction, Leiden, Netherlands, 3EMGO Inst. for Hlth. and Care Res. (EMGO+), Amsterdam, Netherlands

PT 414 EFFECT OF PREGABALIN ON PAIN AND ACTIVITY IN POST-TRAUMATIC PERIPHERAL NEUROPATHIC PAIN: A RANDOMISED, DOUBLE-BLIND, PLACEBO-CONTROLLED CROSSOVER STUDY T. Jenkins, T. Smart, F. Hackman, C. Cooke, K. Tap, Pfizer Inc., Sandwich, Kent, United Kingdom


PT 416 COMPARISON OF INTRAVERNOS OR EPIDURAL PATIENT-CONTROLLED ANALGESIA AFTER MAJOR ABDOMINAL SURGERY T. Matuszaki1, H. Morimatsu, K. Sato, K. Morita, Okayama Univ. Hosp., Okayama, Japan


PT 418 A NEW CONCEPT OF INTERCOSTAL NERVE BLOCKS FOR THE NUMBNESS OF UPPER ARMS K. Sato1, K. Kaneko1, Y. Kumada1, 1Anesthesiology, Sendai Med. Ctr., Sendai, Japan

PT 419 LONG-TERM TRIAL RESULTS: EFFICACY AND SAFETY OF LIDOCAINE 5% MEDICATED PLASTER FOR THE TOPICAL TREATMENT OF POST-HERPETIC NEURALgia J. I. Calvo1, F. Petzke2, M. Suchorszewski1, A. Szczepaska-Szerer2, S. Kapanadze3, K. Venken3, R. Zucchi1, J. del Saz1, Hosp. de Navarra, Pamplona, Spain, 2Cologne Univ., Cologne, Germany, 3Med. Univ. of Gdańsk, Gdańsk, Poland, 4Clinic of Neurology, Lublin, Poland, 5Grüntershofl GmbH, Aachen, Germany, 6ID-Inst. Dermopatico dell’Immacolata, Rome, Italy, 7Hospital Puerta de Hierro Madrid, Madrid, Spain

PT 420 PAIN DURING AND AFTER HOME TRACHEOSTOMY TUBE SUBSTITUTION G. Tenze1, G. Citterio1, L. Scocia1, L. Serra1, A. Camaldol1, T. Di Ieso1, M. Friso1, G. Milanesie1, 1Emergency Dept., Intensive Care Unit, Policlinico Univ. Tor Vergata, Rome, Italy, 2Home Care Unit, Cooperativa Operatori Sanitari Associati, Rome, Italy, 3Anesthesia, Intensive Care and Pain Care Dept., Policlinico Umberto I, Univ. La Sapienza, Rome, Italy, 4Pain Therapy Dept., Oncologic Social Ctr., Trieste, Italy, 5Anesthesia, Intensive Care and Pain Care Dept., Policlinico Umberto I, Univ. La Sapienza, Roma, Italy, 6Anesthesia, Intensive Care and Pain Care Dept., Policlinico Umberto I, Univ. La Sapienza, Rome, Italy, 7Central Care Management and Coordination, Cooperativa Operatori Sanitari Associati, Rome, Italy


PT 422 ZICONITIDE EFFICACY TRIAL WITH SINGLE-SHOT INTRATHecal INJECTION J. Mustaki, C. Perruchoud, A. Smit, B. Rutschmann, A. Durrer, C. Lepage, E. Buchser, Dept. of Anesthesiology and Pain Management, Ctr. for Neuromodulation, Hosp. of Morges, Morges, Switzerland
PT 423 INTRATECHAL PETHIDINE COMPARED TO BUPIVACAINE FOR ANESTHESIA AND POSTOPERATIVE ANALGESIA FOR SHORT SURGERY PROCEDURES IN DEVELOPING COUNTRIES: L. Umba, Phukuta, Y. Kosi Mayamanon, B. Le Polain de Warrueil, E. Amisi Bongoe, A. Kilemba Manzanne, E. Mafuta Musalu, 1Univ. of Kinshasa, Kinshasa, Congo, The Democratic Republic of the, 2Univ. Clinics of Kinshasa, Kinshasa, Congo, The Democratic Republic of the, 3Catholic Univ. of Louvain, St Luc Hosp., Brussels, Belgium, 4Sch. of Publ. Hlhs., Kinshasa, Congo, The Democratic Republic of the


PT 425 MEDIAN EFFECTIVE LOCAL ANESTHETIC DOSE (MLAD) OF 0.25% INTRATECHAL BUPIVACAINE AND EFFECT OF ADDITION OF FENTANYL FOR INTRAVENOUS IMPLANT PLACEMENT IN CARCINOMA CERVIX: J. K. Makkar, B. Ghai, J. Wig, Dept. of Anesthesia, Post Graduate Inst. of Med. Ed. and Research, Chandigarh, India

PT 426 THE EFFECT OF NEEDLING TECHNIQUE ON ACUPUNCTURE NEEDLE SENSATION MEASURED USING THE MASSACHUSETTS NEEDLE SENSATION SCALE: A. E. Benham, M. I. Johnson, Leeds Metropolitan Univ., Leeds, United Kingdom

PT 427 THE EFFECT OF CHINESE EARE ACUPUNCTURE ON NON-RESPONDERS TO WESTERN PAIN RELIEF TECHNIQUES: A. K. Liem, P. J. Heijmans, M. Bijkerk, J. M. Backus, Anesthesiology, Slingeland Hosp., Doetinchem, Netherlands

PT 430 A CASE OF NEUROPATHIC PAIN DUE TO SPINAL CORD INJURY SUCCESSFULLY TREATED BY SCALP ACUPUNCTURE: H. Takahashi, H. Nishiyama, K. Kurogi, T. Nambu, S. Fukuda, 1Dept. of Anesthesiology, Teikyo Univ. Sch. of Med., Tokyo, Japan

PT 431 EFFICACY OF INTRAMUSCULAR STIMULATION FOR PATIENTS WITH SEVERE ABDOMINAL PAIN AND NAUSEA: A REPORT OF THREE CASES: M. Hirabayashi, Clinical Pain Service, The Jikei Univ. Hosp., Tokyo, Japan

PT 432 ELECTRICAL AURICULAR ACUPUNCTURE REDUCES INTRA-AND POSTOPERATIVE CORTISOL AND NOREPINEPHRINE LEVELS IN PATIENTS UNDERGOING TOTAL KNEE ARTHROPLASTY: A PILOT STUDY: P. Pühlfhorn, A. Bushkova, S. Pramhas, M. Breitenegger, M. Weindimay-Goettel, G. Heinze, S. Sator-Katzenschlager, 1Dept. of Special Anesthesia and Pain Therapy, Med. Univ., Vienna, Austria, 2Dept. of Anesthesia, Teikyo Univ. Sch. of Med., Tokyo, Japan

PT 433 IMAGING TREATMENT RESPONSE TO COGNITIVE-BEHAVIORAL THERAPY IN PATIENTS WITH CHRONIC PAIN: M. R. Naylor, M. G. Krauthamer, J. Dumas, P. Newhouse, Psychiatry, Univ. of Vermont, Burlington, VT, USA

PT 434 EVALUATION OF AN EIGHT SESSION Pain MANAGEMENT PROGRAM: E. M. Karlsson1, M. Fagevik Olsén2, 1Sahlgrenska Univ. Hosp./ Ostra, Multidisciplinary Pain Ctr., Göteborg, Sweden, 2Sahlgrenska Univ. Hosp., Dept. of Physical Therapy, Göteborg, Sweden

PT 435 MINDFULNESS-BASED STRESS REDUCTION (MBSR) INTERVENTION Versus COGNITIVE-BEHAVIORAL INTERVENTION FOR FIBROMYALGIA: M. Diaz Garcia1, M. Muguero1, M. Comeche1, J. Ortega1, 1Personality, Univ. Natl. de Educación a Distancia-UNED, Madrid, Spain, 2Asociación de Enfermos de Fibromialgia y Fatiga Crónica del Principado de Asturias, Oviedo, Spain

PT 436 BEHAVIORAL MEDICINE INTERVENTIONS COMPARED TO STANDARD TREATMENT IN ACUTE WAD: A RANDOMIZED GROUP STUDY: A. Bring1, P. Åsenlöf1, A. Söderlund1, 1Dept. of Neurosci., Physiotherapy, Uppsala Univ., Uppsala, Sweden, 2Sch. of Hlth. Care and Social Welfare, Mälardalen Univ., Västerås, Sweden

PT 437 TINITUS HURTS! A COGNITIVE-BEHAVIOURAL ANALYSIS OF TINITUS-RELATED PAIN: R. F. Cima1, J. W. Vlaeyen2, 1Clinical Psychological Sc., Maastricht Univ., Maastricht, Netherlands, 2Dept. of Psychology, Univ. of Leuven, Leuven, Belgium

PT 438 INFORMATION AND COMMUNICATION TECHNOLOGIES (VIRTUAL REALITY) IN THE TREATMENT OF FIBROMYALGIA: PRELIMINARY FINDINGS: A. Garcia-Palacios1, R. Herrero1, Y. Vizcaino1, D. Castilla2, R. M. Borros3, M. A. Belmonte4, C. Botella5, 1Basic, Clinical Psychology and Psychobiology, Univ. Jaume I, Castellon, Spain, 2Personality, Assessment and Psychological Treatments, Univ. de Valencia, Valencia, Spain, 3Rheumatology, Hosp. gen. de Castellon, Castellon, Spain

PT 439 FOR WHICH PATIENTS WITH BENIGN CHRONIC PAIN IS MULTIDISCIPLINARY PAIN REHABILITATION MOST BENEFICIAL? B. Zwarts1, M. Port2, L. van der Maas3, S. de Groof4, 1Rehabilitation Ctr. Amsterdam, Amsterdam, Netherlands, 2Ctr. for Human Movements Sci., Amsterdam, Netherlands

PT 440 DEVELOPMENT OF TWO GROUP THERAPY METHODOLOGIES BASED ON COMPETING PARADIGMS TO TREAT PATIENTS WITH CHRONIC PAIN: M. Zurovski, K. Fung, Psychiatry, Toronto Western Hosp., Toronto, ON, Canada

PT 441 ARE EFFECTS OF COGNITIVE-BEHAVIORAL TREATMENTS FOR CHRONIC BACK PAIN STABLE? A TWO YEARS FOLLOW-UP: A. M. Kohl, J. A. Glombiewski1, J. Hartwich-Terek1,2, W. Rief1, 1Dept. of Clinical Psychology and Psychotherapy, Philipps-Univ. of Marburg, Marburg, Germany, 2Medizinisch-Psychosomatische Klinik, Schoen-Kliniken, Bad Arolsen, Germany

PT 442 PREDICTABLE VERSUS UNPREDICTABLE PAIN: AN EXPERIMENTAL INVESTIGATION ON PAIN-RELATED FEAR AND PAIN INTENSITY: A. Meulders, D. Vansteenwegen1, J. W. Vlaeyen2, 1Psychology, Univ. of Leuven, Leuven, Belgium, 2Clinical Psychological Sc., Maastricht Univ., Maastricht, Netherlands

PT 443 ADDRESSING CATASTROPHISATION IN CHRONIC REFRACTORY ANGINA PATIENTS: A. Balasubramaniam1, J. D. Bridson2, D. G. Groves1, A. C. Fisher3, H. K. Tsang4, M. R. Chester5, 1Anaesthesia and Pain Management, Countess of Chester Hosp., Chester, United Kingdom, 2NHS Chester, United Kingdom, 3Natt. Refractory Angina Ctr., Royal Liverpool and Broadgreen Hosp, NHS Trust, Liverpool, United Kingdom, 4Royal Liverpool and Broadgreen Hosp. NHS Trust, Liverpool, United Kingdom

PT 444 OUTCOME EVALUATION OF THE VETERANS AFFAIRS SALT LAKE CITY INTEGRATIVE HEALTH CLINIC FOR CHRONIC NONMALIGNANT PAIN AND STRESS S. J. Smeeding, Dept. of Anesthesia, VA Salt Lake City Hlhs. Care System, Salt Lake City, UT, USA

PT 445 THE MOZART EFFECT ON CHRONIC PAIN: SONATA K.448 REDUCED SIGNIFICANTLY AUTOTOMY BEHAVIOR AND ONSET IN A RAT CHRONIC PAIN DENERVATION MODEL A. Melo-Carrillo1,2, L. J. Camargo Perez1,3, D. Muñoz Jimenez1,3, A. Castillo Tovar1,3, A. Lopez Avila1,3, 1Laboratorio de Neurofisiología de la percepción, Inst. Natl. de Psiquiatría Ramón de la Fuente Muñiz México, Mexico, Mexico, 2Univ. Natl. Autónoma de México, Mexico, Mexico, 3Univ. La Salle, México, Mexico, Mexico, 4Univ. Autónoma Metropolitana, México, Mexico


PT 448 THE IMPACT OF A PATIENT-FAMILY CENTERED INTERVENTION ON PAIN RELIEF AND ANXIETY FOLLOWING A HIP SURGERY IN ELDERLY PATIENTS F. Grondin, P. Bourgault, N. Bolduc, Nursing, Univ. de Sherbrooke, Sherbrooke, QC, Canada
PT 449 THE PATH TO CAPACITY: PSYCHOLOGICAL VARIABLES RELATED TO ADAPTATION TO CHRONIC PAIN C. Ramirez-Maestre, R. Esteve, A. Lopez-Martinez, S. Galan, M. Asenjo, Psychology, Univ. of Malaga, Malaga, Spain

PT 450 THE DYNAMICS OF COPING STRATEGIES AND CHRONIC PAIN AS COMPONENTS OF THE QUALITY OF LIFE (QL) OF PATIENTS WITH END-RENAL DISEASE (ERD) UNDER CHRONIC HEMODIALYSIS (HD) N. D. Varchenko¹, I. A. Vasiljeva¹, A. V. Smirnov¹, N. N. Shestakova¹, The State Pavlov Med. Univ., Saint-Petersburg, Russian Federation, 2Sechenov Inst. of Evolutionary Physiology and Biochemistry, Russian Academy of Sci., Saint-Petersburg, Russian Federation

PT 451 THE DIFFICULTY TO SWITCH ATTENTION BETWEEN PAIN AND OTHER DEMANDS G. Crombez¹, D. M. Van Ryckenboem², B. Liebooghe¹, A. Vandierenendonck¹, ¹Dept. of Experimental, Clinical and Hlth. Psychology, Ghent Univ., Ghent, Belgium, 2Dept. of Experimental Psychology, Ghent Univ., Ghent, Belgium


PT 453 USE OF PAIN-RELATED MEDICATIONS BEFORE, DURING AND AFTER MULTIDISCIPLINARY PAIN MANAGEMENT IN PATIENTS WITH NON-MALIGNANT PAIN CONDITIONS N. Jensen¹, V. Meirhecke-Schmidt², P. Sjøgren³, Multidisciplinary Pain Ctr., Hørlev Hosp., Denmark, ²Hørlev, Denmark, ³Private Practice, Klampenborg, Denmark, Section of Acute Pain Management and Palliative Med., RigsHospital, Copenhagen, Denmark

PT 454 MIXED METHODS FINDINGS FROM A PILOT STUDY ON IYENGAR YOGA FOR YOUNG ADULTS WITH RHEUMATOID ARTHRITIS S. Evans¹, L. Cousins¹, M. Moleni¹, J. C. Tsao², S. K. Subramanian³, L. K. Zeltzer¹, Pediatric Pain Program, UCLA, Los Angeles, CA, USA, 2UC, Los Angeles, CA, USA

PT 455 SELF-PERCEIVED BURDEN IN CHRONIC PAIN: RELEVANCE AND CORRELATES J. Kowal¹, K. Pelquini², S. E. Worman³, K. G. Wilson⁴, L. A. McWilliams⁵, P. R. Henderson⁶, D. A. Ferguson¹, ¹Psychology, The Ottawa Hosp. Rehabilitation Ctr., Ottawa, ON, Canada, ²Dept. of Psychology, Acadia Univ., Wolfville, NS, Canada, ³Clinical Epidemiology Program, The Ottawa Hosp. Res. Inst., Ottawa, ON, Canada

PT 456 PAIN CLINIC IN RUSSIA: STRUCTURE, ORGANIZATION, DEVELOPMENT PROSPECTS N. Samoylova¹, O. Zagorulko¹, A. Gnezdilow¹, L. Medvedeva², ¹Pain, Natl. Research Ctr. of Surgery named after Academician BV Petrovsky Petrovsky Rams, Moscow, Russian Federation, ²Clinical, Natl. Research Ctr. of Surgery named after Academicien Petrovsky Rams, Moscow, Russian Federation

PT 457 EXPRESSED EMOTION IN CHRONIC PAIN PATIENT’S RELATIVES C. Ballis-Creus¹, M. Rangel Gúmez, A. Parraroyo Baulies, J. Pérez Martínez, Pain Treatment Unit, Hosp. Clinic de Barcelona, Barcelona, Spain

PT 458 CONSTANT NEGOTIATING: WORKING WITH CHRONIC PAIN FROM WORK-RELATED MUSCULOSKELETAL DISORDERS J. Smith-Young, S. M. Solberg, A. Gaudine, Sch. of Nursing, Mem. Univ., St. John’s, NL, Canada

PT 459 DIFFERENCES IN ACTIVITY-RELATED BEHAVIOUR AMONG PATIENTS WITH CHRONIC LOW BACK PAIN I. P. Huijten¹, J. A. Verbunt¹, M. L. Peters², R. J. Smeets³, H. P. Kindermans¹, J. Roelofs¹, M. Goossens¹, H. A. Seelen¹, ¹Dept. of Rehabilitation Med., Maastricht Univ., Maastricht, Netherlands, ²Dept. of Clinical Psychological Sci., Maastricht Univ., Maastricht, Netherlands, ³Dept. of Expertise in Rehabilitation and Audiology, Adelante, Hoensbroek, Netherlands

PT 460 THE CONTRIBUTION OF A CLINICAL PHARMACIST IN A CHRONIC PAIN MANAGEMENT CLINIC: A PRACTICE DESCRIPTION M. J. Durham¹, E. Mirzaian¹, J. A. Goad², S. H. Richeimer³, ¹Clinical Pharmacy and Pharmaceutical Economics & Policy, Univ. of Southern California Sch. of Pharmacy, Los Angeles, CA, USA, ²Div. of Pain Med., Dept. of Anesthesiology, Univ. of Southern California Keck Sch. of Med., Los Angeles, CA, USA

PT 461 EVALUATION OF A SELF-MANAGEMENT PROGRAM FOR OLDER ADULTS WITH CHRONIC PAIN C. Barefoot¹, T. Hadjistavropoulos², ¹Univ. of Regina, Regina, SK, Canada

PT 462 IS PAIN RELIEF NECESSARY FOR IMPROVEMENT IN DISABILITY AND PSYCHOLOGY MEASURES IN CHRONIC PAIN PATIENTS? H. Tan¹, Z. J. Osman², M. S. Cardosa³, ¹Anaestheology, Selayang Hosp., Selayang, Selangor, Malaysia, ²Psychiatry, Univ. Putra Malaysia, Serdang, Selangor, Malaysia

PT 463 SHIFTING KNOWLEDGE AND ATTITUDES TO BACK PAIN MANAGEMENT USING AN IMPROVEMENT METHODOLOGY: INFLUENCE ON SERVICE USE AND PATIENT OUTCOMES A. Breen¹, J. Langworthy¹, L. Worswick², E. Carr³, C. Campion-Smith³, ¹Inst. for Musculoskeletal Res. and Clinical Implementation, Anglo-European Coll. of Chiropractic, Bournemouth, United Kingdom, ²Inst. of Hlth. and Social Care, Bournemouth Univ., Bournemouth, United Kingdom

PT 464 PHYSICAL ACTIVITY, GOAL STRIVING AND DISABILITY AMONG ADOLESCENTS WITH NONSPECIFIC MUSCULOSKELETAL PAIN N. Stommen¹, J. Verbunt¹,², S. Gorter¹, M. Goossens³, ¹Adelante Rehabilitation Ctr., Hoensbroek, Netherlands, ²Dept. of Rehabilitation Med., Maastricht Univ. Med. Ctr., Maastricht, Netherlands, ³Dept. of Internal Med., Div. of Rheumatology, Maastricht Univ. Med. Ctr., Maastricht, Netherlands, ²Dept. of Clinical Psychological Sci., Maastricht Univ., Maastricht, Netherlands

PT 465 SUCCESSFUL USE OF LONGITUDINAL MYELOTOMY AS A PART OF MULTIDISCIPLINARY MANAGEMENT OF A PATIENT WITH AN INOPERABLE SACRAL CHORDOMA L. Navrati¹, D. Bludovsky¹, S. Machari², C. Adamec², J. Lejckö², ¹Dept. of Neurosurgery, Univ. Hosp., Pizen, Czech Republic, ²Dept. of Anaesthesiology and Intensive Care, Pain Ctr., Univ. Hosp., Pizen, Czech Republic, ³Dept. of Anaesthesiology and Intensive Care, Nemocnice Prachatice a.s., Prachatice, Czech Republic

PT 466 TNFα RECEPTOR (P55/P75) DUAL DEFICIENT MICE DEVELOP CHRONIC ARTHRITIS K. N. Westlund¹, L. P. Zhang, A. C. Taylor, B. R. Nersesene, Physiology, Univ. of Kentucky, Lexington, KY, USA

PT 467 REMOTE INTERDISCIPLINARY PAIN REHABILITATION P.A. Spiegel¹, J. Carey, J. Kromelow, C. Wright, W. G. Brose, Hlth. Ed. for Living with Pain, San Mateo, CA, USA

PT 468 EXPANDED REHABILITATION PROGRAM: TREATING MEATPACKING WORKERS J. J. Santé¹, E. Kupeli¹, R. M. Cruz², R. Ruiz³, P. R. Andrade³, C. Bartlott³, ¹Psychology, Univ. Flaviola, Florianopolis, Brazil, ²Publ. Hlth. Post Graduation Program, UFSC, Florianopolis, Brazil, ³Psychology Post Graduation Program, UFCG, Florianopolis, Brazil, ²Prefetura Municipal de Itapema, Florianopolis, Brazil, ³PRA, Florianopolis, Brazil, ⁴Psychology, Unisul, São José, Brazil

PT 469 SMART2: DEVELOPMENT TOWARDS A TECHNOLOGY-BASED SYSTEM FOR MANAGEMENT OF CHRONIC PAIN B. A. Rossé¹, E. Keogh², C. Eccleston³, G. Mountain¹, ¹Ctr. for Pain Res., Univ. of Bath, Bath, United Kingdom, ²Univ. of Sheffield, Sheffield, United Kingdom

PT 470 THE PAIN BLITZ INITIATIVE: AN INTERDISCIPLINARY EFFORT TO ADDRESS SUBSTANCE ABUSE IN CHRONIC PAIN PATIENTS D. K. Copp³, S. A. Brancolini¹, J. F. Karp¹, A. Doulaihy¹, M. M. Campopiano², D. Daley¹, ¹Anesthesiology/Pain Med. Div., Univ. of Pittsburgh, Pittsburgh, PA, USA, ²Dept. of Psychiatry, Univ. of Pittsburgh, Pittsburgh, PA, USA, ³Dept. of Psychiatry, Addiction Med., Univ. of Pittsburgh, Pittsburgh, PA, USA, ²Dept. of Psychiatry/Addiction Med., Univ. of Pittsburgh, Pittsburgh, PA, USA

PT 471 IVR: A NOVEL P4P TREATMENT CONCEPT FOCUSING ON THE BACK TO WORK RATE OF PATIENTS SUFFERING FROM SUBACUTE OR CHRONIC (LOW) BACK PAIN T. Nolte¹, G. H. Mueller-Schwefe², H. Kletzko³, M. A. Ueberall⁴, ¹Interdisciplinary Ctr. for Pain and Palliative Care, Wiesbaden, Germany, ²Interdisciplinary Ctr. for Pain and Palliative Care, Goeppingen, Germany, ³Integrated Managed Care GmbH, Oberursel, Germany, ⁴Inst. for Neurological Sci., Ageology & Pediatrics, Nuernberg, Germany

PT 472 HERBAL ANALGESIA AND HEALTH PROFESSIONALS’ ATTITUDE IN MANAGING AFRICANS’/ETHIOPIANS’ PAIN A. Taddesse¹,², ¹Dept. of Physiology, Suez Canal Univ., Ismailia, Egypt, ²Physiology Dept., Hawassa Univ., Hawassa, Ethiopia
PT 473 HYPNOSIS FOR MANAGEMENT OF FIBROMYALGIA P. Picard1, M. Lethbridge-Koo2, M. Laekeman1, H. Basler, PhD2, S. Rios1, P. A. Spiegel1, J. Carey1, W. G. Brose1, R. Gaeta2, 1Hlth. Ed. for Living with Pain, San Mateo, CA, USA, 2Dept. of Anesthesia, Div. of Pain Med., Stanford Univ. Sch. of Med., Stanford, CA, USA

PT 474 DOES ACTIVITY RESTRICTION ACCOUNT FOR THE ASSOCIATION BETWEEN PAIN AND MAJOR DEPRESSION? L. R. Miller2, A. Cano1, J. R. Lutz2, 1Psychology, Wayne State Univ., Detroit, MI, USA, 2Ed., Wayne State Univ., Detroit, MI, USA


PT 477 THERAPEUTIC TOUCH DOES NOT ALLEVIATE PROCEDURAL PAIN RESPONSE IN VERY PRETERM NEONATES C. Johnston1, M. Campbell-Yeo2,3, F. Filion2, B. Rich2, J. Whitley1, K. Caddell2, A. Matheson2, 1Nursing, McGill Univ. Hlth. Ctr., Montréal, QC, Canada, 2Dalhousie Univ., Halifax, NS, Canada, 3McGill Univ., Montréal, QC, Canada

PT 478 PAIN RELIEVING EFFECT OF MOTHER’S HUG ON IMMUNIZATION INJECTION IN HEALTH CENTERS OF WEST TEHRAN S. Taavoni1, S. Shahahi2, H. Haghani2, 1Pain Res. Group of ACECR, Iran Univ. of Med. Sci., Tehran, Iran, Islamic Republic of, 2Anesthesiology and Pain, Santa Terezinha Faculty, Sao Luis-MA, Brazil

PT 479 INFANTS’ DISTRESS PRE-IMMUNIZATION IMPACTS EFFECTIVENESS OF PARENT-LED DISTRACTION J. Hillgrove Stuart1, R. E. Horton1, R. R. Pillai Riddell2, S. Greenberg2, 1Psychology, York Univ., Toronto, ON, Canada, 2Paediatrics, Univ. of Toronto, Toronto, ON, Canada

PT 480 PROMOTING CLINICAL DECISION MAKING REGARDING PAIN PATIENTS IN PHYSIOTHERAPY M. Laekeman1, H. Basler, PhD2, 1Hlth. Ed. for Living with Pain, San Mateo, CA, USA, 2Dept. of Med. Psychology, Phillips-Univ. Marburg, Marburg, Germany

PT 481 CORTICOMOTOR EXCITABILITY IS DIFFERENTIALLY MODULATED BY PAINFUL, NON-PAINFUL SENSORY, AND MOTOR PERIPHERAL ELECTRICAL STIMULATION L. S. Chipchase1, S. M. Schabrun2, P. W. Hodgson2, 1Sch. of Hlth. and Rehabilitation Sci., The Univ. of Queensland, Brisbane, Queensland, Australia, 2NHMRC Ctr. of Clinical Res. Excellence in Spinal Pain, Injury and Hlth., The Univ. of Queensland, Brisbane, Queensland, Australia

PT 482 PREDICTOR VARIABLES TO IDENTIFY PATIENTS WITH CHRONIC TENSION-TYPE HEADACHE WITH A SUCCESSFUL OUTCOME AFTER MANUAL THERAPY TREATMENT R. F. Castien1, D. A. van der Windt2, N. Blankenstein1, J. Dekker1, 1Gen. practise, VU Univ. Med. Ctr., Amsterdam, Netherlands, 2Arthritis Res. Campaign Natl. Primary Care Ctr., Keele Univ., Keele, United Kingdom, 3Dept. of Rehabilitation Med. and Dept. of Psychiatry, EMGO+, VU Univ. Med. Ctr., Amsterdam, Netherlands

PT 483 EFFECTS OF THE PILATES METHOD ON THE ILLNESS IMPACT, PAIN PERCEPTION AND MOVEMENT IN WOMEN WITH FIBROMYALGIA N. F. Amorn1, D. F. Amorn1, D. R. Martins1, J. S. Garcia1, 1Physical Therapy, Santa Terezinha Faculty, Sao Luis-MA, Brazil, 2Anesthesiology and Pain, Federal Univ. of Maranhao, Sao Luis-MA, Brazil

PT 484 CHALLENGING THE BENEFIT OF NEUROPHYSIOLOGY EDUCATION IN NON-SPECIFIC CHRONIC LOW BACK PAIN PATIENTS WITH FEAR OF MOVEMENT BEHAVIOUR: A PILOT STUDY P. Brem, Physiotherapy, Pain Clinic Nottwil, Nottwil, Switzerland

PT 485 MUSIC TO IMPROVE MOOD AND MOVEMENT IN FIBROMYALGIA: AN EXPLORATORY STUDY S. S. Prasanna1,2, N. E. Mayo1, M. J. Sullivan12, M. J. Simmonds12, 1Sch. of Physical and Occupational Therapy, McGill Univ., Montréal, QC, Canada, 2Constance Lethbridge Rehabilitation Ctr. site of CRIR, Montréal, QC, Canada, 3Dept. of Psychology, McGill Univ., Montréal, QC, Canada

PT 486 SOCIAL THREAT HURTS! A WITHIN-SUBJECTS STUDY ON THE INFLUENCE OF PAIN-SPECIFIC SOCIAL THREAT ON PAIN REPORT N. Vandebroek1, P. Peeters1, J. Vlaeyen1,2, 1Dept. of Clinical Psychological Sci., Maastricht Univ., Maastricht, Netherlands, 2Dept. of Psychology, Univ. of Leuven, Leuven, Belgium

PT 487 PSYCHOTHERAPY AND NATIONALITY AND PAIN MANAGEMENT K. Torii, Nagoya Pain Clinic, Nagoya, Japan


PT 489 SOCIO-CULTURAL VARIABLES PREDICT TREATMENT NEEDS IN PAIN REHABILITATION D. Ros1, P. A. Spiegel, J. Carey1, W. G. Brose1, R. Gaetz1, 1Hlth. Ed. for Living with Pain, San Mateo, CA, USA, 2Dept. of Anesthesia, Div. of Pain Med., Stanford Univ. Sch. of Med., Stanford, CA, USA
### Wednesday, September 1, 2010

*(Topics and locations are subject to change)*

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
<th>Location</th>
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<tbody>
<tr>
<td>07:00-18:00</td>
<td><strong>REGISTRATION OPEN</strong></td>
<td>Viger Hall</td>
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<td>07:00-08:00</td>
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<td>Archimedes Pharma Limited</td>
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<td><em>Breaking Through Breakthrough Cancer Pain: Setting the New Standard</em></td>
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<td><em>QUTENZA™ Case Review Clinic</em></td>
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<td><em>Implantable Pain Therapies: Improving Patient Management and Outcomes</em></td>
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<td>08:15-17:30</td>
<td><strong>COMMERCIAL EXHIBITS OPEN/ POSTER VIEWING</strong></td>
<td>Hall 220</td>
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<tr>
<td>08:15-09:30</td>
<td><strong>PLENARY SESSION</strong></td>
<td>Hall 517</td>
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<td>JOHN J. BONICA DISTINGUISHED LECTURE: Central Sensitization: How Plasticity</td>
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<td>Produces Pain, Clifford J. Woolf</td>
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<td>PL 07 From the Mouths of Babes: What Have We Learned from Studies of Pain in</td>
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<td>Neonates?, Celeste Johnston</td>
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<td>09:30-10:30</td>
<td><strong>POSTER DISCUSSIONS (EVEN-NUMBERED POSTERS)</strong></td>
<td>Hall 220</td>
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<td>10:15-10:45</td>
<td><strong>MORNING BREAK</strong></td>
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<td>10:45-12:15</td>
<td><strong>TOPICAL SYMPOSIA AND WORKSHOPS</strong></td>
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<tr>
<td>TS 44</td>
<td>INVASIVE TECHNIQUES FOR CHRONIC REFRACTORY PAIN: NEW INSIGHTS</td>
<td>Room 510</td>
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<td>D. Ciampi de Andrade, V. Tronnier, M. Wallace</td>
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<tr>
<td>TS 45</td>
<td>AGING, PAIN AND THE BRAIN: EXPLORING THE RELATIONSHIP OF BRAIN FUNCTION TO PAIN</td>
<td>Room 511</td>
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<td></td>
<td>AND ANALGESIA IN COGNITIVELY INTACT AND IMPAIRED OLDER PEOPLE</td>
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<td>L. Gagliese, S. Gibson, D. Weiner</td>
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<tr>
<td>TW 46</td>
<td>TEACHING PEOPLE ABOUT PAIN</td>
<td>Room 513</td>
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<td>L. Moseley, B. Murinson, M. Thacker</td>
<td>ABCD</td>
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<tr>
<td>TW 47</td>
<td>A- AND C-FIBRE NOCICEPTORS: THRESHOLDS, SPONTANEOUS FIRING AND DESCENDING</td>
<td>Room 514</td>
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<tr>
<td></td>
<td>MODULATION</td>
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<td>S. Lawson, B. Lumb, R. Treede, Y. Wan</td>
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<td>TS 48</td>
<td>HUMAN PAIN MODELS: MECHANISTIC PERSPECTIVE</td>
<td>Room 518</td>
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<td>O. Andersen, S. McMahon, K. Petersen, K. Tan</td>
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<tr>
<td>TW 49</td>
<td>USE OF INFORMATION TECHNOLOGY FOR THE ASSESSMENT AND TREATMENT OF PEDIATRIC PAIN</td>
<td>Room 519</td>
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<td>H. Hoffman, A. Huguet, P. McGrath, J. Stinson</td>
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<tr>
<td>TS 50</td>
<td>RISK FACTORS FOR CHRONIC PAIN: WHAT WE CAN LEARN FROM LARGE COHORT STUDIES</td>
<td>Room 520</td>
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<td>R. Fillingim, G. Macfarlane, C. Nielsen</td>
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<td>TS 51</td>
<td>MEDICATION OVERUSE HEADACHE – NEW INSIGHTS FROM PATHOPHYSIOLOGY, COMORBIDITY AND</td>
<td>Room 524</td>
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<td>TREATMENT AND THEIR CONSEQUENCES FOR PATIENT CARE</td>
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<td>P. Sandor, J. Schoenen, C. Schopper</td>
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<td>TS 52</td>
<td>MECHANISMS THAT PROMOTE CANCER PAIN AND NOVEL TREATMENTS</td>
<td>Room 710 A</td>
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<td>P. Mantyh, B. Schmidt, T. Vanderah</td>
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<td>TS 53</td>
<td>MECHANISMS AND MANIFESTATIONS IN WIDESPREAD MUSCULOSKELETAL PAIN: NEW TRANSLATIONAL PERSPECTIVES</td>
<td>Room 710 B</td>
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<td>T. Graven-Nielsen, S. Mense, M. Sterling</td>
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**Wednesday, September 1, 2010**

**12:15-13:45**  
**LUNCH BREAK**  
*(Food available for purchase in Hall 220, 7th Level Cafeteria, Palais concourse, local hotels & restaurants)*

**13:45-14:45**  
**POSTER DISCUSSIONS (ODD-NUMBERED POSTERS)**  
*Hall 220*

**14:45-15:15**  
**PLENARY SESSION**  
*Hall 517*

PL 08  
Pathophysiology of Acute Postoperative Pain, Timothy J. Brennan

**15:15-16:30**  
**IAASP GENERAL ASSEMBLY OF MEMBERS**  
*Hall 517*

**Agenda:**  
Welcome and President’s Report  
Treasurer’s Report  
PAIN Journal Report  
IASP Press Report  
Pain: Clinical Updates Report  
Chapter Updates  
Announcement of New Officers and Councilors  
Presentation of New Honorary Members  
New Business

**15:30-16:00**  
**AFTERNOON BREAK AVAILABLE**  
*Hall 220*

**16:30-18:00**  
**IAASP SPECIAL INTEREST GROUP (SIG) BUSINESS MEETINGS**

<table>
<thead>
<tr>
<th>SIG</th>
<th>Room</th>
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<tbody>
<tr>
<td>Acute Pain</td>
<td>Room 511</td>
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<tr>
<td>Clinical Legal Issues (CLIP)</td>
<td>Room 519</td>
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<tr>
<td>Neuropathic Pain (NeuPSIG)</td>
<td>Room 520</td>
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<tr>
<td>Non-Human Species</td>
<td>Room 513 F</td>
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<tr>
<td>Orofacial Pain</td>
<td>Room 524</td>
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<tr>
<td>Pain &amp; Movement</td>
<td>Room 510</td>
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<tr>
<td>Pain in Childhood</td>
<td>Room 710 B</td>
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<td>Pain in Older Persons</td>
<td>Room 513 ABCD</td>
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<tr>
<td>Pain of Urogenital Origin (PUGO)</td>
<td>Room 522 AB</td>
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<tr>
<td>Sex, Gender and Pain</td>
<td>Room 515</td>
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<tr>
<td>Sympathetic Nervous System (PSNS)</td>
<td>Room 518</td>
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<tr>
<td>Systematic Reviews/Outcomes</td>
<td>Room 710 A</td>
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<tr>
<td>Torture, Organized Violence &amp; War (TOVW)</td>
<td>Room 513 E</td>
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**Note:** The Placebo SIG will not meet.

**18:15-19:45**  
**COMPANY-SPONSORED ASSOCIATED SYMPOSIA**

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<th>Company</th>
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<tr>
<td>Astellas Pharma Europe Ltd.</td>
<td>Room 516</td>
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<tr>
<td>Advances in the Management of Peripheral Neuropathic Pain</td>
<td>Room 516</td>
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<tr>
<td>Grünenthal GmbH</td>
<td>Room 710 A</td>
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<tr>
<td>New Concepts for Treatment of Localized Neuropathic Pain</td>
<td>Room 710 A</td>
</tr>
<tr>
<td>Purdue Pharma L.P.</td>
<td>Room 511</td>
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<tr>
<td>Come Learn About a New Buprenorphine Transdermal Analgesic – Now Approved in the U.S.</td>
<td>Room 511</td>
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</tbody>
</table>
Wednesday Poster Session

All posters are displayed in Hall 220 between 08:15 and 17:30. Even-numbered posters will present between 09:30 and 10:30. Odd-numbered posters will present between 13:45 and 14:45.

**PW 001 SIX MONTHS REVIEW OF POSTCAESAREAN ACUTE PAIN**

**SERVICE** P. Stourac,1,2 L. Hal1

1Dept. of Pain Control, Faculty Hosp. Brno, Brno, Czech Republic, 2Dept. of Anesthesiology and Intensive Care Med., Med. Faculty of Masaryk Univ., Brno, Czech Republic

**THE POSSIBILITY TO COMPARE DIFFERENT TYPES OF PAIN**

**LABELING** M. L. Loggia1,2, Q. L. Chen1, J. Kong1, R. L. Gollub, R. R. Edwards1,2, V. Napadow1, A. D. Wasan1,2, 1Anesthesiology, Perioperative and Pain Med., Brigham and Women’s Hosp., Harvard Med. Sch., Boston, MA, USA, 2Psychiatry and Martinos Ctr. for BioMed. Imaging, Massachusetts Gen. Hosp., Harvard Med. Sch., Boston, MA, USA

**ETY OF INFLAMMATION**

**MAL BACK PAIN IDENTIFIED WITH ARTERIAL SPIN LABELING**

**IZATION** S. J. Kamper1, T. R. Stanton1, S. Perrot1, D. Bouhassira2, J. Fermanian3, 1Jersey Gen. Hosp., St Helier, United Kingdom, 2Dept. Hlth. Sci., Univ. of Leicester, Leicester, United Kingdom, 3Dept. of Anesthesia and Pain Med., Univ. of Leicester, Leicester, United Kingdom

**THE IMPACT OF PREVIOUS EXPERIENCE WITH PAINFUL EVENTS ON YOUNG CHILDREN’S RATINGS OF PAIN IN HYPOTHETICAL VIGNETTES** L. S. Uman1, C. T. Chambers2, A. J. Gouthro1, C. L. von Baeyer1, 1Anesthesiology, Perioperative and Pain Med., Univ. of Calgary, Calgary, AB, Canada

**HOW IS RECOVERY FROM LOW BACK PAIN MEASURED? A SYSTEMATIC REVIEW OF THE LITERATURE** S. J. Kamper1, T. R. Stanton1, S. Perrot1, D. Bouhassira2, J. Fermanian3, 1Jersey Gen. Hosp., St Helier, United Kingdom, 2Dept. Hlth. Sci., Univ. of Leicester, Leicester, United Kingdom, 3Dept. of Anesthesia and Pain Med., Univ. of Leicester, Leicester, United Kingdom


**DEVELOPMENT AND VALIDATION OF THE SCALE SENSATION OF ADOLESCENTS WITH POSTOPERATIVE PAIN**

**MANAGEMENT-IDIOPATHIC SCOLIOSIS (SAP-S)** S. Charette1, S. LeMay2, 1Psychology and Pediatrics, Univ. of Montreal, Montréal, QC, Canada, 2Faculty of Hlth. Sci., Univ. of Sydney, Sydney, Australia

**VALIDATION OF THE KNEE INJURY AND OSTEOARTHRITIS OUTCOMES SCORE (KOOS) USING ACCELEROMETER, PAIN, AND FUNCTION MEASURES IN PREOPERATIVE TOTAL KNEE ARTHROPLASTY (TKR) PATIENTS** S. T onelli1, J. E. Lee1, N. A. Cooper2, K. R. Goldschneider, T. V. Ting, A. Szabova, S. Kashikar-Zuck, Cincinnati Children’s Hosp. Med. Ctr., Cincinnati, OH, USA

**DEVELOPMENT AND VALIDATION OF THE FIBROMYALGIA RAPID SCREENING TOOL (FIRST)** S. Perrot1, D. Bouhassira2, J. Fermanian3, 1Internal Med., Hotel Dieu Hosp., INSERM U 987, Paris, France, 2Psychiatry, INSERM U 987, Ctr. de la Douleur, Hôpital Ambroise Pare, Boulogne, France, 3Service de Biostatistiques, Hôpital Necker, Univ. Paris Descartes, Paris, France

**GLUTEUS MEDIUS MYOFASCIAL SYNDROME: POSSIBLE RELATION WITH UNSPECIFIC LUMBAR PAIN** M. N. Guzzardo1, E. A. Pastor, 1Grupo de Alivio de Dolor en el Anciano, Hosp. Italiano de Buenos Aires, Buenos Aires, Argentina, 2Terapia Intensiva, Hosp. de Emergencias Clemente Álvarez, Rosario, Argentina
PW 022 ITCH ASSESSMENT SCALE FOR THE PEDIATRIC BURN PATIENT
V. E. Morris1, L. M. Murphy2, M. Rosenberg3, L. Rosenberg4, C. E. Holzer5, W. J. Meyer6, 1Univ. of Texas Med. Branch, Galveston, TX, USA, 2Surgery, Shriners Hosp. for Children, Galveston, TX, USA, 3Psychiatry, Shriners Hosp. for Children, Galveston, TX, USA, 4Psychiatry, Univ. of Texas Med. Branch, Galveston, TX, USA

PW 023 THE DEVELOPMENT AND TESTING OF THE EMPATHY FOR INFANT PAIN VIDEO PROGRAM (EIPVP) M. Lähteenmäki1, P. Jackson2, C. Johnston3, 1Sch. of Nursing, Dalhousie Univ., Halifax, NS, Canada, 2Ctr. for Pediatric Pain Res., WK Hthl. Ctr., Halifax, NS, Canada, 3Psychologie, Univ. Laval, Quebec, QC, Canada, 4Sch. of Nursing, McGill Univ., Montréal, QC, Canada

PW 024 THE GEOGRAPHY OF MUSCLE FATTY INFLTRATES IN THE CERVICAL MULTIFIDUS IN CHRONIC WHIPLASH J. M. Elliott1, A. Pedler2, J. Hendrikz3, M. Sterling4, 1Ctr. for Res. Excellence in Spinal Pain, Injury & Hthl., The Univ. of Queensland, St. Lucia, Australia, 2Ctr. of Natl. Res. on Disability and Rehabilitation Med., The Univ. of Queensland, Herston, Australia

PW 025 SENSORY PROFILING OF FIBROMYALGIA-PATIENTS J. Koroschetz1, S. Rehm1, P. Harten1, S. Jäger1, E. Burger2, R. Baron3, 1Div. for Neurological Pain Res. and Therapy, Univ. Hosp. of Schleswig-Holstein, Campus Kiel, Kiel, Germany, 2Practice for Rheumatology, Kiel, Germany


PW 027 DECISION MAKING IN COMPLEX PAINFUL REGIONAL SYNDROME (CRPS): INTEREST OF COUPLING BONE CT SCAN AND BISPHOSPHONATES (BPS) J. Beatrix1, M. Giboutet1, E. Houy1, A. Alantar2, A. Domec1, A. Khodja3, M. Sorel1,3, 1Pain, Hosp., Nenours, France, 2Odontologie, Hosp., Nanterre, France, 3Paris XII Univ., Creteil, France

PW 028 FABRY DISEASE: PROVIDING A SCREENING TOOL K. Arning1, D. Naleschinski1, P. Kropf2, A. Binder2, R. Maag1, R. Baron3, 1Dept. of Neurology, Univ. Hosp. Schleswig-Holstein, Campus Kiel, Kiel, Germany, 2Institut für Medizinische Psychologie, Univ. Rostock, Medizinische Fakultät, Rostock, Germany

PW 029 McGill Pain DESCRIPTORS (LONG FORM) AS A DIAGNOSTIC TOOL OF PAIN SYNDROMES IN OUTPATIENT TREATED ELDERLY IN SERBIA L. B. Jovanovic1, P. Perunicic1, 1Inst. for Gerontology Belgrade, Belgrade, Serbia


PW 031 PREOPERATIVE PAIN SENSITIVITY AND ITS CORRELATION WITH POSTOPERATIVE PAIN: A SYSTEMATIC REVIEW J. Wong1, J. Chan2, A. Abris shami1, F. Chung1, Dept. of Anesthesia, Toronto Western Hosp., Univ. Htht. Network, Univ. of Toronto, Toronto, ON, Canada

PW 032 PSYCHOLOGICAL DISTRESS AND UROLOGICAL UNEXPLAINED CLINICAL CONDITIONS IN WOMEN: A SYSTEMATIC REVIEW A. L. Bullone1, A. Lopez1, D. Buchwald2, N. Afari1, M. Alonso1, P. Barjola1, M. Fernandez-Sanchez1, J. L. González1, 1Psychology, Univ. Rey Juan Carlos, Madrid, Spain, 2Ctr. for Clinical and Epidemiological Res., Univ. of Washington, Seattle, WA, USA, 3Psychiatry, Univ. of California San Diego, San Diego, CA, USA

PW 033 SOCIAL THREAT HURTS! THE INFLUENCE OF PAIN-SPECIFIC SOCIAL THREAT ON PAIN EXPRESSION P. Peeters1, K. Helten1, J. Vlieven2, 1Clinical Psychological Sci., Maastricht Univ., Maastricht, Netherlands, 2Dept. of Psychology, Univ. of Leuven, Leuven, Belgium

PW 034 CAN THE RESULTS OF RANDOMISED CONTROLLED TRIALS BE GENERALISED TO ALL PATIENTS? RESULTS FROM THE ‘MUSCULAR’ TRAIL OF MUSCULOSKELETAL PAIN G. T. Jones1, E. A. Jones2, P. C. Hannaford3, P. Keeley1, K. Lovell1, J. McBeth1, P. McNamara1, G. J. Prescott3, S. Woby1, G. J. Macfarlane1, 1Aberdeen Pain Res. Collaboration (Epidemiology Group), Univ. of Aberdeen, Aberdeen, United Kingdom, 2Aberdeen Pain Res. Collaboration (Primary Care Group), Univ. of Aberdeen, Aberdeen, United Kingdom, 3Sch. of Nursing, Midwifery and Social Work, Univ. of Manchester, Manchester, United Kingdom, 4ARC Epidemiology Unit, Univ. of Manchester, Manchester, United Kingdom, 5Hth. Economics Res. Unit, Univ. of Aberdeen, Aberdeen, United Kingdom, 6Aberdeen Pain Res. Collaboration (Statistics Group), Univ. of Aberdeen, Aberdeen, United Kingdom, 7The Pennine Acute Hosp. NHS Trust, Manchester, United Kingdom

PW 035 OBSERVERS’ ESTIMATION OF PATIENTS’ PAIN EXPERIENCES ARE INFLUENCED BY PATIENTS’ CHARACTERISTICS: AN EVALUATIVE CONDITIONING STUDY L. de Rudder1, L. Goubert1, K. M. Picard2, D. M. Van Ryckeghem3, G. Crombez1, G. Hertet1, G. Belgium, 1Univ. of Northern British Columbia, Prince George, BC, Canada

PW 036 CHEST PAIN IN 282 PATIENTS WITH BENIGN ASBESTOS DISEASE R. K. ALLEN1, T. Cramond2, D. Lennon3, 1Private Practice, Wesley Hosp., Brisbane, QLD, Australia, 2Multidisciplinary Pain Ctr., Royal Brisbane Hosp., Brisbane, QLD, Australia, 3Wales Res. Inst., Wesley Hosp., Brisbane, QLD, Australia

PW 037 A COMPARISON OF PARTICIPANTS AND NON-PARTICIPANTS IN A RCT INVOLVING 156 PATIENTS SCHEDULED FOR PRIMARY TOTAL KNEE ARTHROPLASTY K. V. Andersen1, Dept. of Orthopaedics, Aarhus Univ. Hosp., Aarhus, Denmark

PW 038 PAIN RELATED CATASTROPHIZING AND PERSONALITY TRAITS IN A SAMPLE OF SRI LANKAN CHRONIC PAIN PATIENTS R. W. Pallela1, S. Arijawarawinda1, A. W. Ramansinghe1, M. Sitheseque1, A. G. Glaros2, 1Div. of Physiology, Faculty of Dental Sci., Univ. of Peradeniya, Peradeniya, Sri Lanka, 2Div. of Oral Med., Faculty of Dental Sci., Univ. of Peradeniya, Peradeniya, Sri Lanka, 3Kansas City Univ. of Med. and Biosci., Kansas City, MO, USA

PW 039 PROSPECTIVE EPIDEMIOLOGICAL MULTICENTER STUDY OF POSTOPERATIVE PAIN IN PORTUGAL: PRELIMINARY RESULTS D. H. Pozza1,2, J. M. Caseiro1, L. F. Azevedo1, N. E. Barata1, A. Costa-Pereira1, J. Castro-Lopes1,2, 1Inst. of Histology and Embryology of the Faculty of Med. of the Univ. of Porto, Porto, Portugal, 2Inst. of Biological Molecular and Cellular (IBMC), Univ. of the Porto, Porto, Portugal, 3Instit. for Anesthesiology, Inst. Português de Oncologia de Lisboa Francisco Gentil (IPO-EP), Lisboa, Portugal, 4ARC Epidemiology Unit, Univ. of Manchester, Manchester, United Kingdom, 5Hth. Economics Res. Unit, Univ. of Aberdeen, Aberdeen, United Kingdom, 6Aberdeen Pain Res. Collaboration (Epidemiology Group), Univ. of Aberdeen, Aberdeen, United Kingdom, 7The Pennine Acute Hosp. NHS Trust, Manchester, United Kingdom


Wednesday, September 1, 2010

PW 043 COSINOR ANALYSIS OF PAIN INTENSITY IN CHILDREN WITH JUVENILE IDIOPATHIC ARTHRITIS S. Trucker1, A. Rosenberg2, P. Pahwa3, C. von Baeyer1, A. Baxter-Jones1, J. Stinson4, A. Busch5, 1Community Hlth. and Epidemiology, Univ. of Saskatchewan, Saskatoon, SK, Canada, 2Pediatrics, Coll. of Med., Univ. of Saskatchewan, Saskatoon, SK, Canada, 3Psychology, Univ. of Saskatchewan, Saskatoon, SK, Canada, 4Kinesiology, Univ. of Saskatchewan, Saskatoon, SK, Canada, 5Nursing, Univ. of Toronto, Toronto, ON, Canada, 6Sch. of Physical Therapy, Univ. of Saskatchewan, Saskatoon, SK, Canada


PW 045 PREVALENCE OF HYPERMOBILITY IN PATIENTS WITH CHRONIC PAINFUL MUSCULOSKELETAL DISORDERS TREATED IN AN INTERDISCIPLINARY PAIN CENTER IN SAO PAULO, BRAZIL M. C. Botto1, T. Y. Lin2, C. L. Malmeigrin1, K. Braga1, V. Leggieri1, M. Gardini1, A. F. Peduto Neto1, M. J. Teixeira1, 1Inst. de Ortopedia, Faculdade de Med. da Univ. de Sao Paulo, Sao Paulo, Brazil, 2Ctr. for Treatment of Pain and Functionality, Sao Paulo, Brazil

PW 046 QUALITY OF EPIDEMIOLOGICAL STUDIES OF CHRONIC AND RECURRENCE PAIN IN CHILDREN AND ADOLESCENTS S. King1, A. King2, 1Pediatrics, Dalhousie Univ., Halifax, NS, Canada, 2Eccleston, Ctr. for Pain Research, Univ. of Bath, Bath, United Kingdom

PW 047 CHARACTERIZATION OF PAIN IN PASSERSBY IN THE CITY OF RIBEIRÃO PRETO R. Oliveira1,2, D. H. Santos1, B. Franco3, L. Bruni4, H. Coelho5, 1Anesthesiology/Clinical of Pain, Hosp. das Clinicas da FMRF USP, Ribeirão Preto, Brazil, 2Barão de Mauá Univ. Ctr., Ribeirão Preto, SP, Brazil, 3Faculty of Pharmaceutical Sciences, Univ. Federal de Ribeirão Preto, Ribeirão Preto, Brazil, 4Faculty of Pharmaceutical Sci. of Ribeirão Preto, Ribeirão Preto, Brazil

PW 048 PROGRAMME ACCORD: VALIDATION OF A FRENCH VERSION OF THE PAIN TREATMENT SATISFACTION SCALE IN PRIMARY CARE PATIENTS WITH NON-CANCER CHRONIC PAIN G. Jouini1,2, M. Choinière3,4, 1Centro Multidisciplinar da Dor, Rio de Janeiro, Brazil, 2Hospital dos Servidores do Estado do Rio de Janeiro, Rio de Janeiro, Brazil, 3Univ. de Sherbrooke, Sherbrooke, QC, Canada, 4Institut de Biologie et de Médecine du Globe, Université de Montréal (CRCHUM), Montréal, QC, Canada, 5Médecine familiale, Univ. Sherbrooke, Sherbrooke, QC, Canada, 6Samu 93-ea3409, Hosp. Avicenne, Bobigny, France

PW 049 PATIENT EXPECTATIONS OF CHRONIC PAIN TREATMENT IN PUBLIC AND PRIVATE HEALTH SERVICE IN RIO DE JANEIRO, BRAZIL A. P. Gosling1, P. D. Suassuna1, A. C. Amaral2, J. B. Souza1, 1Centro Multidisciplinar da Dor, Rio de Janeiro, Brazil, 2Hospital dos Servidores do Estado do Rio de Janeiro, Rio de Janeiro, Brazil, 3Univ. de Sherbrooke, Quebec, QC, Canada

PW 050 FACTORS RELATED TO THE CHRONIC PAIN EXPERIENCE AMONG CANCER SURVIVORS C. R. Green1, F. A. Hart-Johnson2, 1Anesthesiology, Univ. of Michigan, Ann Arbor, MI, USA, 2Royal Melbourne Hosp., Natl. Ageing Res. Inst., Melbourne, Australia

PW 051 SURVEY OF CHRONIC PAIN IN LITHUANIA: PREVALENCE, ASSESSMENT, AND MANAGEMENT A. Scipukas, 1Pain Unit of Anaesthesiology, Kaunas Univ. of Med., Kaunas, Lithuania
PW 087 ADVERSE EVENTS ASSOCIATED WITH THE INTRAVENTRINAL INFUSION OF 5 mg/kg OF LIDOCAINE OVER A ONE HOUR TIME PERIOD, FOR THE TREATMENT OF FIBROMYALGIA. R. Faleiro, P. Buczkowski, A. Scardia, J. P. Williams, Pain Management Dept., Royal Derby Hosp., Derby, United Kingdom.

PW 088 PAIN BELIEFS, COPING STRATEGIES AND QUALITY OF LIFE AMONG INDIAN PATIENTS WITH FIBROMYALGIA SYNDROME. A. Dhal, M. Mehta, R. Sagar, Psychiatry, All India Inst. of Med. Sci., New Delhi, India.


PW 090 REPRODUCTION OF OVERALL SPONTANEOUS PAIN PATTERN BY MANUAL STIMULATION OF ACTIVE MYOFASCIAL TRIGGER POINTS IN FIBROMYALGIA PATIENTS H. Gu1, Y. Xu2, T. Graven-Nielsen2, B. Dannesklad-Samsae2, L. Arendt-Nielsen2, 1SMI, Dept. of Hlth. Sci. and Technology, Aalborg Univ., Aalborg, Denmark, 2Frederiksberg Hosp., The Parker Inst., Frederiksberg, Copenhagen, Denmark.

PW 091 ONE YEAR PERSISTENCE OF WIDESPADE PAIN IN COMMUNITY WOMEN: EFFECTS OF MAJOR PSYCHIATRIC DISORDER, FAMILIARITY OF PAIN, AND FIBROMYALGIA. E. Widerstrom-Noga1, P. Pattany2, PW 096


PW 093 FIBROMYALGIA SYNDROME IS ASSOCIATED WITH SMALL FIBER IMPAIRMENT AND ALTERED CORTICAL ACTIVITY N. Özerdem1, S. Kewenig1, J. Zeller2, A. J. Fallgatter2, C. Sommer2, 1Dept. of Neurology, Univ. of Würzburg, Würzburg, Germany, 2Dept. for Psychiatry and Psychotherapy, Univ. of Würzburg, Würzburg, Germany.

PW 094 A PARADOXICAL LACK OF TEMPORAL SUMMATION IN FIBROMYALGIA S. Potvin1, J. Barcellos de Souza2, É. Paul-Savoie, E. Paré, APHP, Boulogne-Billancourt, France, 2Service d’anesthésie-réanimation, Univ. Paris, France.


PW 096 METABOLIC PROFILES IN THE ANTERIOR CINGULATE CORTEX IN SPINAL CORD INJURY RELATED PATIENTS E. Widerstrom-Noga1, P. Pattany2, E. Felix1, Y. Cruz-Almeida1, A. Martinez-Arizala1, D. Cardenas1, S. Perez2, 1VA Med. Ctr. and Miami Project, Univ. of Miami Miller Sch. of Med., Miami, FL, USA, 2Radiology, Univ. of Miami Miller Sch. of Med., Miami, FL, USA, 3VA Med. Ctr. and Dept. of Rehabilitation, Univ. of Miami Miller Sch. of Med., Miami, FL, USA, 4VA Service, VA Med. Ctr., Miami, FL, USA.


PW 098 SMALL FIBRE IMPAIRMENT PREDICTS NEUROPATHIC PAIN IN GUILLAIN-BARRE SYNDROME N. Attal1, V. Martinez1, D. Fletcher1,2, N. Attal1, S. Perrot1,2, J. Fermanian3, D. Bouhassira1, 1Ctr. d’Evaluation et Traitement de la Douleur, INSERM U987, Boulogne-Billancourt, France, 2APHP, Paris, France, 3CH Anncy, Anncy, France, 4CHU Ambroise Paré, Boulogne-Billancourt, France, 5CHU Cochin, Paris, France, 6CHU Montpellier, Montpellier, France, 7Hosp. de Brabois, Vandoeuvre, France, 8CH de Chambery, Chambery, France, 9Hosp. Robert Debré, Reims, France.

PW 099 7-YEAR FOLLOW-UP OF PATIENTS WITH PERSISTENT IDIOPATHIC DENTALOVELAR PAIN: PRELIMINARY RESULTS M. Pipii1, M. Drangsholt1, P. Svensson1, T. List1, 1Dept. of Endodontology, Faculty of Odontology, Malmö, Sweden, 2Dept. of Oral Med. and Dental Publ. Hlth., Sci., Univ. of Washington, Seattle, WA, USA, 3Dept. of Clinical Oral Physiology, Sch. of Dentistry, Aarhus Univ., Aarhus, Denmark, 4Dept. of Stomatognathic Physiology, Faculty of Odontology, Malmö, Sweden.


PW 106 PRELIMINARY REPORT OF RELIABILITY OF QUANTITATIVE SENSORY TESTING (QST) IN PATIENTS WITH PERSISTENT IDIOPATHIC DENTALOVELAR PAIN S. El-Masyr Ivanovic1, M. Pipii1, H. Fars1, B. Daud-Hansen2, P. Svensson3, T. List1, M. Drangsholt1, 1Dept. of Stomatognatic Psychology, Malmo Univ., Malmo, Sweden, 2Dept. of Endodontics, Malmo, Sweden, 3Dept. of Oral Med. and Dental Publ. Hlth., Sci., Univ. of Washington, Seattle, WA, USA.

PW 107 ASSESSMENT OF PROPRIOCEPTIVE ALLODYNIA AFTER TOOTH CLenching A. Dawson1, T. List1, M. Embreg1, P. Svensson1, 1Dept. of Stomatognatic Psychology, Faculty of Odontology, Univ. of Malmö, Malmö, Sweden, 2Div. of Clinical Oral Physiology, Dept. of Dental Med., Karolinska Inst., Huddinge, Sweden, 3Dept. of Clinical Oral Physiology, Sch. of Dentistry, Aarhus, Denmark, 4Univ. and Dept. of Oral Maxillofacial Surgery, Aarhus Univ. Hosp., Aarhus, Denmark.

PW 108 TRIGEMINAL PAIN AND QUANTITATIVE SENSORY TESTING IN PAINFUL PERIPHERAL DIABETIC NEUROPATHY A. Arap1, S. R. Siqueira2, C. B. Silva1, M. J. T. Siqueira1, 1Neurology Dept., Univ. of Sao Paulo, Sao Paulo, Brazil, 2Sch. of Arts, Sci. and Humanities, Univ. of Sao Paulo, Sao Paulo, Brazil.
PW 109 EMPATHY TO PAIN: AN ORIGINAL WAY TO ASSESS SCHIZOPHRENIC PATIENTS’ SENSITIVITY TO PAIN A. Wojakiewicz, D. Januel, N. Danziger, D. Bouchassar1, V. Lieu-Évrard, Neuliti sur Marne, France, 2Pitié-Salpêtrière, Paris, France, 3Ambroise-Paré, Boulogne-Billancourt, France

PW 110 THE MEANING OF MOTIVATION IN CHRONIC LOW BACK PAIN: AN INTERPRETATIVE PHENOMENOLOGICAL ANALYSIS P. Mac Neela, R. Mulveen, B. McCabe, D. O’Gorman, D. Finn, 1Sch. of Psychology, Nat. Univ. of Ireland, Galway, Galway, Ireland, 2Dept. of Anaesthesia & Pain Management, Univ. Coll. Hosp. Galway, Galway, Ireland, 3Pharmacology & Therapeutics, Sch. of Med., Natl. Univ. of Ireland, Galway, Galway, Ireland


PW 112 THE DEVELOPMENT OF INFANT PAIN-DISTRESS REGULATION S. P. van Rysswyk, Sch. of Philosophy, Univ. of Tasmania, Hobart, Australia


PW 114 PHYSIOLOGICAL MEASURES OF PAIN COMPARED WITH SKIN CONDUCTANCE IN NEWBORN BRAZILIAN N. V. Martins, M. B. Affilalo, M. V. Oliveira, J. A. Jesus, R. M. Tristão, Children and Adolescent Area, UnB, Brasilia, Brazil, DF, Brazil

PW 115 BEHAVIOR DURING COGNITIVE CHALLENGE IN VERY PRETERM CHILDREN AT AGE 4.5 YEARS ARE PREDICTED BY CUMULATIVE NEONATAL PAIN S. Brummelte, R. E. Grunau, J. Petre Thomasz, A. R. Synnes, M. F. Whitfield, 1Dept. of Pediatrics and Child and Family Res. Inst., Univ. of British Columbia, Vancouver, BC, Canada, 2Neonatal Follow-up Program, Children’s & Women’s Hlth. Ctr. of BC, Vancouver, BC, Canada

PW 116 QUANTITATIVE SENSORY TESTING IN CHILDREN WITH SICKLE CELL DISEASE J. D. O’Leary, L. Odamter, M. W. Crawford, D. Ruskin, P. A. McGrath, 1The Dept. of Anesthesia and Pain Med., The Hosp. for Sick Children, Toronto, ON, Canada, 2Dept. of Haematology, The Hosp. for Sick Children, Toronto, ON, Canada, 3Dept. of Anesthesia, Faculty of Med., Univ. of Toronto, Toronto, ON, Canada


PW 118 EFFICACY AND SAFETY OF PARACETAMOL (325 mg)-TRAMADOL (37.5 mg) COMBINATION (PTC) IN PATIENTS ≥ 65 YEARS: A PMS IN GENERAL PRACTICE (SALZA STUDY) O. Mejard, A. Serrier, H. Ganny, S. Drai, 1Clinique de l’Europe, Rouen, France, 2Hôpital Lanbiòsière, Paris, France, 3Laboratoires Grünenthal, Levallois-Perret, France

PW 119 PAIN PERCEPTION AND TOLERANCE IN PATIENTS WITH FRONTOTEMPORAL DEMENTIA E. Carlingo, I. Rainero, A. Asteggiano, S. Vighetti, G. Cappa, L. Tarenzi, F. Benedetti, F. Mongini, A. Polo, 1Dept. of Neurosci., Univ. of Turin, Turin, Italy, 2Dept. of Neurology, S. Lazzaro Med. Ctr., Alba, Italy, 3Dept. of Med. and Surgical Disciplines, Univ. of Turin, Turin, Italy, 4Dept. of Clinical Physiopathology, Univ. of Turin, Turin, Italy

PW 120 PAIN AND HEALTH-RELATED QUALITY OF LIFE IN WOMEN WAITING FOR GYNECOLOGICAL SURGERY IN CANADA E. G. VanDenKerkhof, W. Hogman, R. Wilson, T. Towheed, M. Lam, M. B. Harrison, D. H. Goldstein, 1Anesthesiology, Queen’s Univ., Kingston, ON, Canada, 2Sch. of Nursing, Queen’s Univ., Kingston, ON, Canada, 3Community Hth. & Epidemiology, Queen’s Univ., Kingston, ON, Canada, 4Nursing, Kingston Gen. Hosp., Kingston, ON, Canada, 5Med., Queen’s Univ., Kingston, ON, Canada

PW 121 DEPRESSION PREDICTS DISABILITY IN WOMEN SUFFERING FROM INTERSTITIAL CYSTITIS/PAINFUL BLADDER SYNDROME OVER AND ABOVE DEMOGRAPHICS AND DISEASE-SPECIFIC SYMPTOMS L. Katz, D. A. Tripp, J. C. Nickell, R. Mayer, A. Van Opheovens, M. P. FitzGerald, M. Reimann, J. Ginting, 1Psychology, Queen’s Univ., Kingston, ON, Canada, 2Urology, Queen’s Univ., Kingston, ON, Canada, 3Urology, Univ. of Rochester Med. Ctr., Rochester, NY, USA, 4Neuro-Urology, Univ. Hosp. of Bochum, Heme, Germany, 5Dept. of Obstetrics, Gynecology and Urology, Loyola Univ. Med. Ctr., Maywood, IL, USA

PW 122 ASSESSMENT OF PAIN AND QUALITY OF LIFE IN A BRAZILIAN POPULATION OF WOMEN WITH ENDOMETRIOSIS F. P. Minson, D. Fujimotori, L. S. Dall’aghe, M. S. Abrão, J. J. Sardá, 1Pain Management Ctr., Albert Einstein Hosp., Sao Paulo, Brazil, 2Clinica Med. da Mulher, Sao Paulo, Brazil, 3Clinica Med. da Mulher, Univ. de São Paulo, Sao Paulo, Brazil, 4Aced, Univali, Santa Catarina, Brazil

PW 123 NOCTURNAL MASSETER MUSCLE ACTIVITY AND ITS RELATION TO PSYCHOLOGICAL VARIABLES IN CHRONIC PAINFUL TEMPOROMANDIBULAR DISORDER: A PILOT INVESTIGATION J. L. Muir, C. Shedden Morg, D. Weber, W. Rief, 1Dept. of Clinical Psychology and Psychotherapy, Phillips Univ. Marburg, Marburg, Germany, 2Dept. of Prosthetic Dentistry, Phillips Univ. Marburg, Marburg, Germany

PW 124 FACILITATING ACCESS TO POSTGRADUATE PAIN EDUCATION IN SOUTHEAST ASIA E. Devorshire, G. Tague, J. Que, P. Siddall, 1The Faculty of Med., The Univ. of Sydney, Sydney, NSW, Australia, 2Faculty of Med. and Surgery, The Univ. Santo Tomas, Manila, Philippines

PW 125 A QUALITY IMPROVEMENT PROJECT: PAIN MANAGEMENT FRAMEWORK FOR BEST PRACTICE AND EDUCATION J. J. Muir, B. Poulton, S. Derman, H. Inokoshi, P. Matras, R. Ringland, 1Nursing, Providence Htl. Care, Vancouver, BC, Canada, 2Nursing, Fraser Htl. Care, New Westminster, BC, Canada, 3Nursing, Fraser Htl. Care, Surrey, BC, Canada, 4Nursing, Fraser Htl. Care, New Westminster, BC, Canada

PW 126 CANADIAN AND NORWEGIAN NURSES’ KNOWLEDGE OF PAIN MANAGEMENT AFTER CARDIAC SURGERY M. Leegaard, J. Watt-Watson, M. McCellin, T. Rustuen, J. Costello, H. Husby, 1Faculty of Nursing, Univ. Coll. Oslo, Oslo, Norway, 2Lawrence S. Bloomberg Faculty of Nursing, Univ. of Toronto, Toronto, ON, Canada, 3Ctr. for shared decision-making, Oslo Univ. Hosp., Oslo, Norway, 4Toronto Gen. Hosp., Surgical Services, Univ. Hth. Network, Toronto, ON, Canada, 5Rikshosp.et, Cardiac Surgical Dept., Oslo Univ. Hosp., Oslo, Norway

PW 127 PROGRAMME ACCORD: TOP 10 EXPRESSED NEEDS IN REGARDS TO PAIN EDUCATION OF HEALTH CARE PROFESSIONALS IN LONG TERM CARE FACILITIES Y. Tousignant-Laframme, M. Tousignant, D. Lussier, P. Lebel, M. Savoie, D. Dion, M. Choinière, 1Ctr. of the centre hospitalier de l’université de montréal (CRCHUM), Montréal, QC, Canada, 2École de kinesiologie, Univ. de Sherbrooke, Sherbrooke, QC, Canada, 3Ctr. de recherche sur le vieillissement de l’Univ. de Sherbrooke (CDRV), Sherbrooke, QC, Canada, 4Inst. Univ. de gérontologie de Montréal, Montréal, QC, Canada, 5Div. de Geriatrique Med. et Alan-Edwards Ctr. for Res. on Pain McGill Univ., Montréal, QC, Canada, 6Hosp. Sainte-Anne, Montréal, QC, Canada, 7Inst. de médecine familiale, Faculté de médecine, Univ. de Montréal, Montréal, QC, Canada, 8Département d’anesthésiologie, Faculté de médecine, Univ. de Montréal, Ctr. de recherche du centre hospitalier de l’université de Montréal (CRCHUM), Montréal, QC, Canada

PW 128 PROGRAMME ACCORD: KNOWLEDGE, ATTITUDES AND BELIEFS OF COMMUNITY PHARMACISTS ABOUT NON-CANCER CHRONIC PAIN V. Leroux-Lapointe, M. Choinière, D. Dion, D. Larmande, R. Thiffault, E. Martin, D. Lussier, S. Perreault, G. Jouini, S. Marchand, L. Lalonde, 1Team Res. in Primary Care, Ctr. de santé et services sociaux de Lavallé, Laval, QC, Canada, 2Anesthesiology, Univ. de Montréal, Montréal, QC, Canada, 3Ctr. de recherche du Ctr. Hospitalier de l’université de Montréal (CRCHUM), Montréal, QC, Canada, 4Médecine familiale, Univ. de Montréal, Montréal, QC, Canada, 5Pharmacie, Univ. de Montréal, Montréal, QC, Canada, 6Ctr. Hosp. de Sherbrooke, Sherbrooke, QC, Canada, 7Inst. Univ. de gérontologie de Montréal, Montréal, QC, Canada, 8Ctr. de recherche clinique Étienne-Le Bel du Ctr. Hosp. de Sherbrooke (CHUS), Sherbrooke, QC, Canada, 9Neurochirurgie, Univ. de Sherbrooke, Sherbrooke, QC, Canada

Wednesday, September 1, 2010

65

Wednesday
PW 129 THE IMPACT OF A JERSEY HEALTH CAMPAIGN ON FENTANYL PRESCRIBING AFTER A CLUSTER OF SIX DEATHS CAUSED BY FENTANYL PATCH ABUSE AND THE SUBSEQUENT CESSATION OF FURTHER FATALITIES J. Purcell-Jones1, A. Agostini2, M. Picci1, S. Turnbull1, G. Purcell-Jones1, 1Wexham Park Hosp., Slough, United Kingdom, 2Gen. Hosp., St. Helier, Jersey, Channel Islands, United Kingdom

PW 130 PALLIATIVE CARE AND CANCER PAIN: PRESCRIPTION OF NARCOTICS IN GERMANY W. Diemer1, A. Lasker2, C. Eichstaedt3, M. Wendt1, 1Ctr. for Palliative Care, Group of Protestant Hosp. Herne-Castrop-Rauxel, Herne, Germany, 2Dept. of Anaesthesiology, Intensive and Palliative Care, Univ. Hosp., Greifswald, Greifswald, Germany, 3SANA Hosp. Bergin, Bergen, Germany

PW 131 EMBODING SELF-MANAGEMENT SUPPORT INTO THE SYSTEM IN TWO NHS HEALTHCARE COMMUNITIES IN THE UK H. Muncey1, N. Ambler1, D. Vyas2, M. Tay3, L. Jackson4, P. Beckworth5, H. Knapman1, 1Pain Management, North Bristol NHS Trust, Bristol, United Kingdom, 2Pain Management, Calderdale and Huddersfield NHS Trust, Huddersfield, United Kingdom, 3Calderdale and Huddersfield NHS Trust, Huddersfield, United Kingdom


PW 134 PAIN ASSESSMENT IN INPATIENT CHILDREN OF A DEVELOPING COUNTRY: THE FIRST STEP TO APPLY CHILDKIND PROGRAM M. M. Lihsa1, F. N. Doca1, R. G. Cassiano1, F. E. Martinez2, A. C. Carlotto1, C. A. Funayama1, L. I. Pfeifer1, H. R. Machado1, L. R. Rossii1, J. G. Speciali1, Y. A. Vicente1, J. G. Klaml1, M. Laycock1, P. Forgeron1, G. A. Finley4, 1Neurosci. and Behavior, Sch. of Med. of Ribeirão Preto, Ribeirão Preto, Brazil, 2Pediatrics, Sch. of Med. of Ribeirão Preto, Ribeirão Preto, Brazil, 3Anatomy and Surgery, Sch. of Med. of Ribeirão Preto, Ribeirão Preto, Brazil, 4Nurse Div., Hosp. of Clinics of Sch. of Med. of Ribeirão Preto, Ribeirão Preto, Brazil, 5Biomechanical, Med. and Rehabilitation, Sch. of Med. of Ribeirão Preto, Ribeirão Preto, Brazil, 6Anesthesia-Ctr. for Pediatric Pain Res., Dalhouse Univ., Halifax, NS, Canada

PW 135 BASIC PAIN EDUCATION IN KENYA D. Otieno1,2, O. Pangers3, J. Kabutu2, E. Munyoro3, O. Otieno3, M. Patel3, V. Mung’ayi3, S. Mir3, 1Anaesthesiology, Kenyatta Natl. Hosp., Nairobi, Kenya, 2The Nairobi Hosp., Nairobi, Kenya, 3Anaesthesiology/Palliative Care, Norrköping, Sweden, 4Dept. of Stomatognathic Physiology, Karlskrona, Sweden


PW 137 ADOLESCENTS WITH TMD PAIN, IN SEARCH OF A DEEPER UNDERSTANDING I. Nilsson1, T. List1, A. Willman1, 1Ctr. for Oral Rehabilitation, Norköping, Sweden, 2Dept. of Stomatognathic Physiology, Malmö Univ., Malmö, Sweden, 3Sch. of Hlth. Sci., Blekinge Inst. of Technology, Karlskrona, Sweden

PW 138 TEMPOROMANDIBULAR CONDITIONS IN CHILDREN WITH JUVENILE IDIOPATHIC ARTHRITIS (JIA): A CLINICAL AND RADIOLOGICAL CASE-CONTROL STUDY E. Leksell1, M. Emmberg2, B. Magnusson1, 1Pedodontics, Blekinge sjukhuset, Karlskrona, Sweden, 2Oral Physiology, Karolinska Inst., Stockholm, Sweden, 3Astrid Lindgren Children’s Hosp., Karolinska Univ. Hosp., Paediatric Rheumatology Unit, Stockholm, Sweden

PW 139 INDUCTION OF P2Y RECEPTORS IN THE SPINAL CORD FOLLOWING PERIPHERAL NERVE INJURY K. Kobayashi1, H. Yamanaka2, K. Noguchi3, Anatomy and Neurosci., Hyogo Col. of Med., Nishinomiya, Japan

PW 140 BLOCKADE OF STIMULATED RAT MICROGIAL, MACROPHAGE AND HUMAN PERIPHERAL BLOOD MONONUCLEAR CELL (PBMC) TOLL-LIKE RECEPTOR 4 (TLR4), SIGNIFICANTLY AND COMPLETELY REVERSES PROINFLAMMATORY CYTOKINE RELEASE. POTENTIAL THERAPEUTIC TARGET FOR INFLAMMATORY & NEUROPATHIC PAIN E. J. Fairman1, P. Hayter2, S. C. Phillips1, A. Moss1, Pain, Pfizer Global Res. & Dev., Sandwich, United Kingdom

PW 141 THE CHEMOKINE CCL2 CONTRIBUTES TO MICROGLIAL ACTIVATION AND MECHANICAL HYPERSENSITIVITY FOLLOWING SURGICAL INCISION IN RATS C. M. Peters1, J. C. Eisenach2, 1Anaesthesiology, Wake Forest Univ. Hlth. Sci., Winston-Salem, NC, USA, 2Anesthesiology & Physiology and Pharmacology, Wake Forest Univ. Hlth. Sci., Winston-Salem, NC, USA

PW 142 NEURON-Glia-NEURONAL INTERACTIONS CONTRIBUTE TO PAIN FACILITATION AFTER SPINAL 5-HT3 RECEPTOR ACTIVATION M. Gu1, R. Dubner2, K. Ren1, F. Wei3, Neural and Pain Sci., Univ. of Maryland, Baltimore, MD, USA

PW 143 ROLE OF INTERLEUKIN-17 IN NEUROIMMUNE ACTIVATION AND NEUROPATHIC PAIN INDUCED BY PERIPHERAL NERVE INJURY IN MICE C. Kirn1, G. Moalem-Taylor2, Sch. of Med. Sci., Univ. of New South Wales, Sydney NSW, Australia

PW 144 A ROLE OF COT1/TPL2 IN INFLAMMATORY HYPERNOCICEPTION IN MICE A. Krzyzanowska1, I. Soria Castro2, C. Avendano3, S. Alemany4, 1Univ. Autonoma Madrid, Fac Med., Madrid, Spain, 2Dpto. de Bioquimica, UAM, Inst. de Investigaciones Biomédicas, Madrid, Spain

PW 145 GENETIC VARIATION IN THE TUMOR NECROSIS FACTOR-α (TNFA) PROMOTER INFLUENCES PAIN SEVERITY AND MORPHINE RESPONSE IN CANCER PATIENTS R. A. Brandford1,2, H. Sato1, J. M. Doney1,3, P. Pantielides4, M. F. Moffat5, J. R. Ross6, J. Riley7, 1St Joseph's Hospice, London, United Kingdom, 2Royal Marsden NHS Fndn. Trust, London, United Kingdom, 3Natl. Heart and Lung Inst., Imperial Coll., London, United Kingdom

PW 146 MACROPHAGE MIGRATION INHIBITOR FACTOR (MIF) IS ESSENTIAL FOR INFLAMMATORY AND NEUROPATHIC PAIN J. K. Alexander1, G. Mavnik-Cox1, A. Saitosaka1, C. Whitacre2, G. P. Popovich3, 1Molecular Virology, Immunology, and Med. Genetics, The Ohio State Univ, Columbus, OH, USA, 2Microbiol., The Ohio State Univ, Columbus, OH, USA, 3Ctr. for Brain and Spinal Cord Repair, The Ohio State Univ., Columbus, OH, USA

PW 147 MICROFLUIDIC CHAMBERS PROVIDE A NOVEL METHOD TO STUDY THE FUNCTIONAL PROPERTIES OF SENSORY NEURON TERMINALS IN CULTURE A. J. Clark1,2, G. Menendez3, G. Schiavo3, 1Molecular Virology, Immunology, and Med. Genetics, The Ohio State Univ, Columbus, OH, USA, 2Microbiol., The Ohio State Univ, Columbus, OH, USA, 3Ctr. for Brain and Spinal Cord Repair, The Ohio State Univ., Columbus, OH, USA

PW 148 EXPRESSION OF THE CALCIUM-BINDING PROTEIN SECRETAGOGIN IN MOUSE AND HUMAN DORSAL ROOT GANGLIA AND SPINAL CORD Q. Xiang1, J. Mulder2, T. Harkany2, M. Uhlen3, T. S. Hokfelt1, T. S. S. Petersen1, 1Anesthesiology, Wake Forest Univ. Hlth. Sci., Winston-Salem, NC, USA, 2Pain Management, North Bristol NHS Trust, Bristol, United Kingdom, 3MRC Ctr. for Neuromuscular Diseases, UCL, London, United Kingdom, 4Molecular Neuropathobiology Group, Cancer Res. UK, London, United Kingdom

PW 150 HCN CHANNELS IN INFLAMMATION OF THE RAB TEMPOROMANDIBULAR JOINT E. A. Jennings, R. Hatch, J. J. Ivanusic, Anatomy & Cell Biology, The Univ. of Melbourne, Parkville, Australia

PW 151 TREK2 AND MEMBRANE POTENTIAL IN SENSORY NEURONS: REGULATION BY TROPHIC FACTORS AND POSSIBLE ROLE IN CHRONIC PAIN C. G. Acosta1, K. Brommage2, N. Harper1, A. Verdi3, O. Hentschel1, C. Berry4, L. Djouhri1, S. Lawson1, 1Physiology and Pharmacology, Univ. of Bristol, Bristol, United Kingdom, 2Physiology, Univ. of Liverpool, Liverpool, United Kingdom
MEDIATED VASODILATATION
R. Nassini1, R. M. Edelmayer2, F. Porreca2
TRPA1 STIMULATION ON THE TRIGEMINOVASCULAR SYSTEM
Prague, Czech Republic
Structures, Inst. of Physiology, Academy of Sci. of the Czech Republic,
B. Holakovska, L. Grycova, J. Teisinger, Dept. of Protein CALMODULIN BINDS THE C-TERMINAL REGIONS OF TRPV2
Czech Republic
THE VANILLOID RECEPTOR TRPV1
L. Grycova, B. Holakovska, J. Teisinger,
of Ceara, Fortaleza, Brazil, 3Biochemistry and Cell Biology, Federal Univ. of São Paulo, Ribeirão Preto, Brazil
Pharmacology, Univ. of São Paulo, Ribeirão Preto, Brazil, 3Physiology and Pharmacology, Federal Univ. of Ceará, Fortaleza, Brazil, 3Biochemistry and Cell Biology, Federal Univ. of Ceará, Fortaleza, Brazil

PW 154 P2X, RECEPTOR-DEFICIENT MICE ARE SUSCEPTIBLE TO BONE CANCER PAIN R. R. Hansen1, A. Nasser1, Y. Pham1, C. Schultenburg1, M. Ding1, S. Syberg1, N. R. Jorgensen1, S. Stojkovic1, C. K. Nielsen1, A. M. Heegaard1, 1Dept. of Pharmacology and Pharmacotherapy, Faculty of Pharmaceutical Sci., Copenhagen Univ., Copenhagen, Denmark, 2Odense Univ. Hosp., Univ. of Southern Denmark, Odense, Denmark, 3Dept. of Genet,ics, Res. Ctr. of Ageing and Osteoporosis, Sci. Park Glostrup, Glostrup Hosp., Glostrup, Denmark, 4NICHD, NIH, Bethesda, MD, USA

PW 155 ACUTE HYPERALGESIC PRIMING INDUCED BY NEURONAL P2X3 RECEPTOR ACTIVATION IS IMPORTANT TO THE HYPERALGESIA INDUCED BY ENDOSTOGENIC PGE2 AND SYMPATHOMIMETIC AMINES C. A. Parada1, F. C. Prado1, A. S. Vieira2, D. Araldi1, M. C. Oliveira1, C. H. Tambelli, Physiology and Biophysics, Univ. State of Campinas-UNICAMP, Campinas, Brazil

PW 156 TRANSCRIPTION FACTOR SP1 POSITIVELY REGULATES TRPV1 PROMOTER ACTIVITY IN RAT SENSORY NEURONS AND NGF TREATED PC12 CELLS C. Chu1, K. Zavala1, A. Fahimi1, J. Lee1, Q. Xue1, H. Elfers2, M. A. Schumacher2, Anesthesia and Perioperative Care, Univ. of California, San Francisco, San Francisco, CA, USA

PW 157 PIP, AND CALMODULIN SHARE MUTUAL BINDING SITE WITHIN THE VANILLOID RECEPTOR TRPV1 L. Grycova1, B. Holakovska2, J. Teisinger3, Inst. of Physiology of the Academy of Sci. of the Czech Republic, Prague 4, Czech Republic

PW 158 CALMODULIN BINDS THE C-TERMINAL REGIONS OF TRPV2 AND TRPV5 B. Holakovska1, L. Grycova1, J. Teisinger1, Dept. of Protein Structures, Inst. of Physiology, Academy of Sci. of the Czech Republic, Prague, Czech Republic

PW 159 TRPA1 STIMULATION ON THE TRIGEMINOVASCULAR SYSTEM ACTIVATES THE NOCICEPTIVE PATHWAY AND ELICITS CGRP-MEDIATED VASODILATATION R. Nassini1, R. M. Edelmayer2, M. Ding1, S. Syberg1, N. R. Jorgensen1, S. Stojkovic1, C. K. Nielsen1, A. M. Heegaard1, 1Dept. of Pharmacology and Pharmacotherapy, Faculty of Pharmaceutical Sci., Copenhagen Univ., Copenhagen, Denmark, 2Odense Univ. Hosp., Univ. of Southern Denmark, Odense, Denmark, 3Dept. of Genet.ics, Res. Ctr. of Ageing and Osteoporosis, Sci. Park Glostrup, Glostrup Hosp., Glostrup, Denmark, 4NICHD, NIH, Bethesda, MD, USA

PW 160 PATTERNS OF PAIN: META-ANALYSIS OF MICROARRAY STUDIES OF PAIN M. LaCroix-Fralish1, J. Austin1, G. Liu1, D. J. Levitin1, J. S. Mogil1, 1Psychology, McGill Univ., Montreal, QC, Canada, 2Anesthesia Res., McGill Univ., Montreal, QC, Canada

PW 161 A PRELIMINARY GENOME-WIDE ASSOCIATION (GWA) ANALYSIS OF MAINE CHRONIC SCIATICA PAIN F. Dai1, I. Belfer1, M. Poddar1, Dept. of Anesthesiology, Univ. of Pittsburgh, Pittsburgh, PA, USA

PW 162 EFFECTS OF A LECTIN ISOLATED FROM CANAVALIA BOLIVIANA IN THE MECHANICAL INFLAMMATORY HYPERNOCICEPTION J. G. Figueredo1, F. D. Bilencourt1, T. M. Cunha1, R. D. Sombres1, T. R. Moura1, F. D. Cunha1, B. S. Cavada2, N. M. Alencar2, 1Pharmacology, Univ. of São Paulo, Ribeirão Preto, Brazil, 2Physiology and Pharmacology, Federal Univ. of Ceará, Fortaleza, Brazil, 3Biochemistry and Cell Biology, Federal Univ. of Ceara, Fortaleza, Brazil

PW 163 CRYOPRESERVATION OF ADULT AND NEONATAL RAT DRG NEURONS U. Karlsson1, B. Franzen1, N. Dekki2, P. Wolfberg1, Neurosci., AstraZeneca R&D Södertälje, Södertälje, Sweden

PW 164 EXPRESSION OF VESICULAR GLUTAMATE TRANSPORTERS IN SENSORY AND AUTONOMIC NEURONS INNERVATING THE MOUSE COLORECTUM R. P. Brumovsky1, D. R. Robinson1, J. H. La1, K. B. Serogy2, K. H. Lundgren1, K. M. Albers1, M. Kiyatkin1, M. Watanabe1, T. Hökfelt1, R. P. Seal1, R. H. Edwards1, G. F. Gebhart1, 1Dept. of Anesthesiology, Univ. of Pittsburgh, Pittsburgh, PA, USA, 2Dept. of Neurology, Univ. of Cincinnati, Cincinnati, OH, USA, 3Sch. of Med., Hokkaido Univ., Sapporo, Japan, 4Dept. of Neuroscience, Karolinska Inst., Stockholm, Sweden, 3Program in Neurosci., Univ. of California, San Francisco, CA, USA

PW 165 DESIGN AND SYNTHESIS OF NOVEL ENKEPHALIN ANALOGS: DELTA OPIOID RECEPTOR AGONISTS A. Proteau-Gagne1, V. Bouniva1, K. Rocho1, Y. Dory1, L. Gendron1, 1Dept. of Chemistry, Univ. de Sherbrooke, Sherbrooke, Quebec, Canada, 2Dept. of Physiology and Biophysics, Univ. de Sherbrooke, Sherbrooke, Quebec, Canada

PW 166 GROUP III METABOTROPIC GLUTAMATE RECEPTORS INHIBIT HYPERALGESIA IN ANIMAL MODELS OF INFLAMMATION J. Buesserolles1, B. Ling1, B. Vilar1, E. Chapuy1, C. Goulet1, J. Pin1, A. Eschalier1, 1Clermont-Ferrand, France, 2Inst. de Génomique Fonctionnelle, CNRS UMR 5203, Montpellier, France


PW 168 NEUROPATHIC PAIN: 5-HT2B RECEPTOR INVOLVEMENT AND MITochondRIONAL DYSFUNCTION IN NOCICePTORS M. Connah1, N. Benson2, J. Van Steenwinkel1, J. Truchetto1, M. Pohl2, Equipe Douleurs U6751, Paris, France

PW 169 SPINAL DORSAL HORN & SUBUNIT-CONTAINING GABA-A RECEPTORS REGULATE NEURONAL EXCITABILITY AND NOCICEPTION IN MICE R. P. Bonin1, C. Labraak1,2, B. D. Whisell1, Y. De Koninck1, B. A. Orser2,3, 1Physiology, Univ. of Toronto, Toronto, ON, Canada, 2Unite de neurosciences cellulaires et moléculaires, Ctr. de Recherche Univ. Laval Robert-Giffard, Quebec, QC, Canada, 3Anesthesia, Sunnybrook Hlth. Sci. Ctr., Toronto, ON, Canada

PW 170 SEMAPHORIN-PLEXIN-B INTERACTIONS IN MECHANISMS GOVERNING THE DEVELOPMENT OF SPINAL SENSORY-MOTOR CIRCUITS E. Pauly1, A. Hirschberg2, S. Offermanns2, R. Friedel3, R. Kuner1, 1Pharmacology Inst., Univ. of Heidelberg, Heidelberg, Germany, 2Dept. of Pharmacology, Max-Planck-Instit. for Heart and Lung Res., Bad Nauheim, Germany, 3Inst. of Dev. Genetics, Helmholtz Ctr. Munich, Neuherberg, Germany

PW 171 MICRORNA MIR-1 AND MIR-143 IN MURINE SENSORY DRG NEURONS V. R. Haberberger1, I. Bastiani1, T. Yam1, I. L. Gibbins2, M. Kress1, X. Zhou2, M. Z. Michael3, 1Anatomy & Histology, Flinders Univ. of South Australia, Adelaide, Australia, 2Physiology and Med. Physics, Med. Univ. Innsbruck, Innsbruck, Austria, 3Physiology, Flinders Univ. of South Australia, Adelaide, Australia, 4Gastroenterology, Flinders Univ. of South Australia, Adelaide, Australia

PW 172 ENHANCED CAP-DEPENDENT TRANSLATION MEDIATES IL-6- AND NGF-INDUCED RAPID CONTROL OF GENE EXPRESSION IN PRIMARY SENSORY NEURONS O. K. Melemendar1, K. Peebles1, D. Tull1, T. J. Price, Pharmacology, Univ. of Arizona, Tucson, AZ, USA

PW 173 EXPRESSION OF CYTOCROME P450 ISOFORMS IN RAT NOCICEPTIVE NEURONS S. B. Ruparel1, G. Helesic1, M. Patil1, M. Henry1, K. Hargraves2, Endodontics, Univ. of Texas Hlth. Sci. Ctr. at San Antonio, San Antonio, TX, USA

PW 201 CANNABINOIDS IN THE TREATMENT OF ALLODYNIA IN A MURINE MODEL OF RELAPSING-REMITTING EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS. L. Tam, J. Waddell, M. Peiris, P. J. Cabot, Sch. of Pharmacy, Pharmacy Australia Ctr. of Excellence, The Univ. of Queensland, Woollongabba, Australia

PW 202 RECOVERY SLEEP DOES NOT REVERSE SLEEP LOSS ENHANCEMENT OF PACITAXEL-INDUCED MECHANICAL HYPERSENSITIVITY. S. L. Kozachik, G. G. Page, Sch. of Nursing, Johns Hopkins Univ., Baltimore, MD, USA


PW 205 RESPONSES OF LATERAL PARAGANGLIONCELLULAR AND RAPHE MAGNUS SEROTONERGIC NEURONS TO NOXIOUS STIMULI: A COMPARATIVE REAPPRAISAL USING JUXTACELLULAR RECORDING. J. Bernard, C. Sevoz-Couche, M. Hamon, R. Gau, UMR894, INSERM/UPMC, Paris, France


PW 207 ROLE OF MPTA NEURONS IN THE INDUCTION OF GENERAL ANESTHESIA. A. Minert, M. Devor, Cell & Animal Biology, Hebrew Univ. of Jerusalem, Jerusalem, Israel

PW 208 DELTA- BUT NOT MU- OR KAPPA-OPIOD RECEPTORS ARE ESSENTIAL FOR THE ANTIALLODYNIC ACTION OF ANTIDEPRESSANT DRUGS AND OF BETA2-MIMETICS IN NEUROPATHIC PAIN. Y. Bohren, I. Yalcin, L. Tesson, C. Gavériaux-Ruff, B. L. Kieffer, M. Freund-Mercier, M. Barrot, "Dept. Nociception and Pain, Inst. of Cellular and Molecular Biology, Illkirch-Graffenstaden, France

PW 209 THE INTERACTION OF SOME ANTIDEPRESSANT DRUGS WITH THE ANTIINOCICEPTIVE EFFECTS OF METHADONE IN MICE. S. Schreiber, A. Hostovský, I. Vosil, V. Rubovitch, C. G. Pick, "Dept. of Psychiatry, Tel Aviv Sourasky Med. Ctr. and Tel Aviv Univ. Sackler Faculty of Med., Tel Aviv, Israel, "Dept. of Anatomy and Anthropology, Tel Aviv Univ. Sackler Faculty of Med., Tel Aviv, Israel

PW 210 ACTIVATION OF THE CANNABINOID ORPHAN RECEPTOR GPR55 BY O-1602 REDUCES NOCICEPTION IN A RAT MODEL OF ACUTE ARTHRITIS. N. Schuettler, J. M. McDougall, Physiology & Pharmacology, Univ. of Calgary, Calgary, AB, Canada

PW 211 THE GPR55 AGONIST L-ALA-LYSOPHOSPHATIDYLINOSITOL INHIBITS MECHANICALLY-EOLODED RESPONSES OF KNEE JOINT PRIMARY AFFERENTS. M. Mohamed, D. A. Kendall, J. Harris, S. Kelly, "Sch. of BioSci. and Inst. of Neurosci., Univ. of Nottingham, Nr Loughborough, United Kingdom, "Sch. of BioMed. Sci. and Inst. of Neurosci., Univ. of Nottingham, Nottingham, United Kingdom

PW 212 THE PERIPHERAL ANTI-ALLODYNIC AND ANTIHYPERALGESIC EFFECTS OF ANANDAMIDE AND 2-ARACHIDONYL GLYCEROL IN A MOUSE MODEL OF NEUROPATHIC PAIN REQUIRE BOTH CANNABINOIDS CB1 AND CB2 RECEPTORS. J. Desroches', S. Charriol', J. Bouchard', P. Beaulieu', P. Pillet, Sch. of Pharmacy, Univ. de Montréal, Montréal, QC, Canada, "Sch. of Optometry, Univ. de Montréal, Montréal, QC, Canada, "Anesthesiology, Univ. de Montréal, Montréal, QC, Canada

PW 213 LONG-TERM OBSERVATION THE NEUROPATHIC PAIN BEHAVIOR CHANGES AND MICROGLIA ACTIVATION IN T CELL DEFICIENT MOUSE FOLLOWING NERVE INJURY. J. Li, Y. Lan, Y. Zuo, Anesthesiology, West China Hosp., Sichuan Univ., Chengdu, China

PW 214 THE ROLE OF EXTRACELLULAR SIGNAL-REGULATED KINASES 1 AND 2 (ERK 1/2) IN A CHRONIC HYPERALGESIC STATE INDUCED BY OVARIECTOMY IN THE MOUSE. M. B. Kline, S. Sacks, F. Cervero, Anesthesia Res. Unit and Alan Edwards Ctr. for Res. on Pain, McGill Univ., Montréal, QC, Canada

PW 215 OVARIECTOMY-INDUCED INHIBITORY CHANGES IN SPINAL CORD NOCICEPTIVE SYSTEMS IN THE MOUSE Y. M. Ong. F. Cervero, Anesthesia Res. Unit, McGill Univ., Montréal, QC, Canada

PW 216 THE ROLE OF SPINAL MICROGLIA AND ASTROCYTES IN THE BILATERAL MECHANICAL ALLODYNIA INDUCED BY UNILATERAL BONE CANCER IN RATS. Q. Mao-Ying, X. Wang, X. Li, C. Yang, W. Mi, G. Wu, Y. Wang, Dept. of Integrative Med. and Neurobiology, Shanghai Med. Coll. of Fudan Univ., Shanghai, China


PW 218 DIFFERENCES BETWEEN PATIENTS WITH OSTEOARTHRITIS AND FIBROMYALGIA IN THEIR ANTICIPATION OF FUTURE PAINFUL EVENTS: A BEHAVIOURAL AND EEG STUDY. A. K. Jones, A. Lenton, A. Watson, C. A. Brown, Human Pain Res. Group, Univ. of Manchester, Salford, United Kingdom


PW 221 LOCALIZATION OF CORTICAL GENERATORS WITHIN THE PRIMARY SOMATOSENSORY CORTEX FOLLOWING NOXIOUS LASER STIMULATION AND SUBDURAL RECORDINGS IN HUMANS. U. Baumbärg', S. Ohara', R. Treede', F. A. Lenzi', "Dept. of Neurophysiology, Med. Faculty Mannheim, Univ. of Heidelberg, Mannheim, Germany, "Dept. of Neurosurgery, Johns Hopkins Univ., Baltimore, MD, USA

PW 222 THE RELATIONSHIP BETWEEN EXPERIMENTAL PAIN AND REWARD PROCESSING N. Elfsass, W. Tiede, P. Schweinhardt, Alan Edwards Ctr. for Res. on Pain, McGill Univ., Montréal, QC, Canada


PW 224 EFFICIENCY OF DIFFUSE NOXIOUS INHIBITORY CONTROLS (DNIC) IN PRETERM-BORN CHILDREN. L. Couturier, M. Morin, P. Goffaux, S. Marchand, S. Lafrenaye, Univ. de Sherbrooke, Sherbrooke, QC, Canada
PW 225 PERIPHERAL ANTIMICROBIAL EFFECTS OF INHIBITORS OF MACROPHAGYLGYCOL IMPS IN A RAT MODEL OF INFLAMMATORY PAIN. A COMPARATIVE ANALYSIS J. Grundt1, A. G. Hohmann, Dept. of Psychology, Neurosci. and Behavior Program Univ. of Georgia, Athens, GA, USA

PW 226 INFLUENCE OF SEX HORMONES ON ENDODGENOUS PAIN MODULATION IN HEALTHY WOMEN: PRELIMINARY RESULTS T. Reznik1, K. Carlström2, A. Linden Hirschberg3, M. Ernberg1, 1Dental Med., Karolinska Inst., Huddinge, Sweden, 2Dept. of Women’s and Children’s Hlth., Karolinska Inst., Huddinge, Sweden, 3Consumer Healthcare, GlaxoSmithKline, Weybridge, UK, United Kingdom

PW 227 PAIN INTENSITY AND RELEASE OF β-ENDOPHIN CORRELATE AFTER COLD PRESSOR TEST A. Feldmich1, S. Saad1, M. Ernberg2, A. Rosén2, 1Dept. of Dental Med., Div. of Oral and Maxillofacial Surgery, Karolinska Inst., Huddinge, Sweden, 2Dept. of Dental Medicine, Div. of Oral Physiology, Karolinska Inst., Huddinge, Sweden

PW 228 A LINK BETWEEN DIFFUSE NOXIOUS INHIBITORY CONTROLS (DNIC) AND ARTERIAL BLOOD PRESSURE P. Chalaye1, L. Devoize2, S. Lafrenaye3, P. Goffaux3, S. Marchand2, 1Faculté de Médecine et des Sci. de la Santé, Univ. de Sherbrooke, Sherbrooke, QC, Canada, 2INSERM U929, Faculté de Chicururgie dentaire, Univ. Clermont-Ferrand, Clermont-Ferrand, France

PW 229 EFFECT OF EARLY PAIN EXPERIENCES DURING HOSPITALIZATION ON PAIN MODULATORY MECHANISM IN PRETERM: THE IMPACT OF MATURITY M. Morin, L. Couturier, P. Goffaux, S. Marchand, S. Lafrenaye, Faculté de Médecine et des Sci. de la Santé, Univ. de Sherbrooke, Sherbrooke, QC, Canada

PW 230 PAIN AND PLASMA β-ENDOPHIN LEVELS DECREASES AFTER DISSECTION OF THE TEMPOROMANDIBULAR JOINT A. Rosén1, A. Rosén1, 1Dept. of Dental Med., Div. of Oral and Maxillofacial Surgery, Karolinska Inst., Huddinge, Sweden, 2Dept. of Dental Medicine, Div. of Oral Physiology, Karolinska Inst., Huddinge, Sweden

PW 231 OPTIMAL ESTIMATION OF SINGLE-TRIAL LASER-EVOKED POTENTIALS (LEPS) BY WAVELET FILTERING AND SCALLED MULTIPLE LINEAR REGRESSION L. Hu1, R. D. Wise3, G. D. Iannetti1, 1Dept. of Neurosci., Physiology and Pharmacology, Univ. Coll. London, London, United Kingdom, 2Dept. of Orthopaedics and Traumatology, The Univ. of Hong Kong, Hong Kong, China, 3Cardiff Univ. Brain and Repair Imaging Ctr. (CUBRIC), Sch. of Psychology, Cardiff Univ., Cardiff, United Kingdom

PW 232 SENSORY-LIMBIC DISCONNECTION EXPLAINS THE DISSOCIATIVE EFFECTS OF DRONABINOL® ON PAIN M. Chen1, R. M. Friedman2, J. C. Gore1, 1Inst. of Imaging Sci., Vanderbilt Univ., Nashville, TN, USA, 2Radiology, Logan Ctr. of Brain Imaging, Utah, USA

PW 233 DISSOCIATING SUBJECTIVE PAIN FROM NONINCEPTIVE INPUT: A MULTI-SESSION FUNCTIONAL IMAGING STUDY C. E. Warnaby1, R. P. Duff1, K. Wiech1, I. Tracey1, 1Ctr. for Functional Magnetic Resonance Imaging of the Brain, Univ. of Oxford, Oxford, United Kingdom

PW 234 NEURAL UNDERPINNINGS OF DENTINE HYPERSENSITIVITY COMPARED WITH A TOOTH PAIN MODEL BASED ON ELECTRICAL STIMULATION M. Meier1, K. Lutz1, D. Etting1, A. P. Barlow2, R. Luechinger1, L. Jäncke1, M. Brügger1, 1Neurophysiology, Univ. of Zurich, Zurich, Switzerland, 2Ctr. for Dental and Oral Med. and Crani-maxillofacial Surgery, Univ. of Zurich, Zurich, Switzerland, 3Consumer Healthcare, GlaxoSmithKline, Weybridge, Surrey, UK, United Kingdom

PW 235 DETERMINANTS OF LASER-EVOKED EGG RESPONSES: EFFECT OF PREDICTABLE AND UNPREDICTABLE CHANGES IN STIMULUS MODALITY E. Valentini1, D. Torta1, A. Mouraux2, G. Iannetti1, 1Neurosci., Physiology and Pharmacology, Univ. Coll. London, London, United Kingdom, 2Unite Read, Univ. Catholique de Louvain, Brussels, Belgium

PW 236 INSULAR CORTEX RELATED MR SPECTRA EVOKED BY EXPERIMENTAL DENTAL PAIN M. Brugger1, M. Meier1, D. Etting1, D. Meier1, J. Froehlich1, A. Gutzeit1, 1Neurophysiology, Univ. of Zurich, Zurich, Switzerland, 2Ctr. for Dental and Oral Med. and Crani-maxillofacial Surgery, Univ. of Zurich, Zurich, Switzerland, 4Inst. of BioMed. Engineering, Swiss Federal Inst. of Technology ETH, Zurich, Switzerland, 5Kantonsspital Winterthur, Winterthur, Switzerland, 6Radiology, Kantonsspital Winterthur, Winterthur, Switzerland


PW 238 FIBROMYALGIA IS ASSOCIATED WITH THINNING AND ALTERED FUNCTIONAL CONNECTIVITY OF THE PREFRONTAL CORTEX M. Cejo1, M. Lapadat1, M. A. Fitzcharles2, D. A. Seminowicz3, P. Schweinbardt3, M. C. Bushnell1, 1Alan Edwards Ctr. for Res. on Pain, McGill Univ., Montréal, QC, Canada, 2Anesthesiology, McGill Univ., Montréal, QC, Canada, 3Dentistry, McGill Univ., Montréal, QC, Canada

PW 239 HUMAN BRAIN ACTIVITY IDENTIFIES THE PRESENCE OR ABSENCE OF PAIN J. E. Brown1, R. N. Chatterjee1, S. C. Mackey2, 1Neurosci. Program, Stanford Univ., Stanford, CA, USA, 2Dept. of Anesthesia, Div. of Pain Management, Stanford Univ., Stanford, CA, USA

PW 240 INTRINSIC BRAIN CONNECTIVITY IN FIBROMYALGIA IS ASSOCIATED WITH CHRONIC PAIN INTENSITY V. Nadap1, L. LaCount1, K. Park2, S. As-Sanie3, D. J. Clauw1, R. E. Harris1, 1Martinos Ctr. for BioMed. Imaging, Massachusetts Gen. Hosp., Boston, MA, USA, 2Radiology, Logan Coll. of Chiropractic, Chesterfield, MA, USA, 3Biomed. Engineering, Kyunghee Univ., Yongin, Korea, Republic of, 4Obstetrics and Gynecology Dept., Univ. of Michigan, Ann Arbor, MI, USA, 5Chronic Pain and Fatigue Res. Ctr., Div. of Anesthesiology, Univ. of Michigan, Ann Arbor, MI, USA

PW 241 MALADAPTIVE BRAIN RESPONSE TO PAIN ANTICIPATION IN RECOVERED ANOREXIA NEROSA J. A. Stringer1, L. E. Reinhardt1, T. Oberndorfer1, M. Klabunde1, W. H. Kaye1, Psychiatry, Univ. of California San Diego, San Diego, CA, USA

PW 242 REPRESENTATION OF PAIN PERCEPTION WITHIN HUMAN SI AND SII REVEALED BY HIGH RESOLUTION FMRI AT 7T E. A. Stringer1, L. E. Reinhardt1, T. Oberndorfer1, M. Klabunde1, W. H. Kaye1, Psychiatry, Univ. of California San Diego, San Diego, CA, USA

PW 243 GENETIC POLYMORPHISMS IN TRP CHANNELS ARE ASSOCIATED WITH THE SOMATOSENSORY FUNCTION IN NEUROPATHIC PAIN PATIENTS A. Binder1, D. Mayr1, R. Baron1, C. Maier1, T. Töller1, R. Treede2, A. Berthelot2, F. Faltraco2, H. Rich1, S. Hohenšch6, C. Maltihofener1, A. Scherens1, J. Zhou1, G. Wassen1, I. Cascorbi2, 1Div. of Neurological Pain Res. and Therapy, Dept. of Neurology, Univ.-Klinikum Schleswig-Holstein, Campus Kiel, Kiel, Germany, 2Inst. of Experimental and Clinical Pharmacology, Univ.-Klinikum Schleswig-Holstein, Campus Kiel, Kiel, Germany, 3Dept. of Pain Management, BG Kliniken Bergmannsheil, Ruhr Univ. Bochum, Bochum, Germany, 4Dept. of Neurology, Technische Univ. München, München, Germany, 5Neuropsychology, Ctr. for Biomedicine and Med. Technology Mannheim, Ruprecht-Karls-Univ. Heidelberg, Mannheim, Germany, 6Inst. of Clinical and Cognitive Neuroscience, Central Inst. for Mental Hlth., Ruprecht-Karls-Univ. Heidelberg, Mannheim, Germany, 7Dept. of Neurology, Univ. of Erlangen, Erlangen, Germany

PW 244 PAIN SENSITIVITY TO COLD AND PRESSURE STIMULI IS ASSOCIATED WITH COMIT VAL158MET POLYMORPHISM IN FM PATIENTS M. Martinez-Jauand1, A. M. González-Roldán1, J. M. Buades1, A. Picomell1, M. A. Muñoz2, C. Stiges1, I. Clifré1, C. Ramon1, P. Montoya1, 1Res. Inst. of Hlth. Sci., Palma de Mallorca, Spain, 2Psychology, Res. Inst. of Hlth. Sci., Palma de Mallorca, Spain, 3Biology, Dept. of Biology, Palma de Mallorca, Spain

PW 245 NITRIC OXIDE IS NEGATIVELY CORRELATED TO PAIN DURING THE EARLY PHASE OF ACUTE INFLAMMATORY PAIN M. Hamza1,2, X. Wang1, T. Wu1, J. S. Brahim4, J. S. Rowan5, R. A. Dionne1, 1NINR/NIH, Bethesda, MD, USA, 2Dept. of Pharmacology, Faculty of Med., Ain Shams Univ., Cairo, Egypt, 3Dept. of Epidemiology and Biostatistics, Univ. of Maryland, College Park, MD, USA, 4Obstetrics and Gynecology, Univ. of Washington, Seattle, WA, USA, 5Dept. of Nursing, Magnuson Clinical Res. Ctr., NIH, Bethesda, MD, USA
PW 246 EFFECTS OF ALPHA-ADRENERGIC AGONISTS ON PAIN MODULATION IN DIFFUSE NOXIOUS INHIBITORY CONTROLS IN HUMAN Y. Baba1, H. Koinase1, K. Fujii1, K. Makino1, Y. Ono1, R. Wakti1, 1Anesthesiology and Clinical Physiology, Dept. of Oral Hlth. Sci., Graduate Sch., Tokyo M, Tokyo, Japan, 2Dept. of Dental Anesthesiology, Sch. of Dental Med., Tsurumi Univ., Yokohama, Japan, 3Ctr. for Sensory-Motor Interaction, Experimental and Clinical Orofacial Pain Lab., Dept. of Hlth. Sci. and Technology, Aalborg Univ., Aalborg, Denmark

PW 247 DEVELOPMENT OF A NEW CAPSAICIN MODEL: INTEGRATING SECONDARY HYPERALGESIA AND ONGOING BACKGROUND PAIN IN HEALTHY VOLUNTEERS Y. Minakawa, K. Itoh, Clinical Acupuncture and Moxibustion, Meiji Univ. of Integrative Med., Kyoto, Japan

PW 248 INFLUENCE OF INTRAMUSCULARLY ADMINISTERED GRANISETRON ON EXPERIMENTALLY INDUCED MUSCLE PAIN IN HEALTHY HUMAN SUBJECTS S. T. Louca, N. Christidis, M. Ebermg, Clinical Oral Physiology, Karolinska Inst., Dept. of Dental Med., Huddinge, Sweden


PW 250 ACUTE EFFECTS OF LOW-DOSE LIDOCAINE ON NGF-EVOKED HYPERALGESIA IN HUMAN SKIN R. Rukwied, B. Weinkauf, O. Obrea, M. Schmelz, Dept. of Anesthesiology, Mannheim, Germany

PW 251 ANTI-INFLAMMATORY EFFECTS OF THE PERIPHERAL KAPPA OPIOID RECEPTOR AGONIST CR845: A NOVEL APPROACH FOR THE TREATMENT OF INFLAMMATORY DISEASE R. H. Spencer, L. R. Gardell, R. Desai, F. Menzaghi, Cara Therapeutics, Inc., Shelton, CT, USA

PW 252 INFLAMMATION INCREASES GABA-A CURRENTS IN RAT CUTANEOUS DRG NEURONS VIA A PERSISTENT UPREGULATION OF TYROSINE KINASE ACTIVITY Y. Zhu1,2, M. Gold2, 1Dept. of Neural and Pain Research, 2Biological Psychiatry, Dept. of Psychiatry, Univ. Med. Ctr. Groningen, Groningen, Netherlands, 3Nearimaging Ctr., Dept. of Neurosci., Univ. of Groningen, Groningen, Netherlands, 4Pain Management Unit, Dept. of Anesthesiology, Univ. Med. Ctr. Groningen, Groningen, Netherlands, 5Schering-Plough, Newhouse, Scotland, United Kingdom

PW 253 CHANGES IN LYMPHOCYTE METABOLISM, GENE EXPRESSION AND CYTOKINE PRODUCTION FOLLOWING NON-INVASIVE INTERACTIVE NEUROSTIMULATION(INTERX®): INDICATORS OF CONNECTIVE TISSUE HEALING AND ANTI-INFLAMMATORY ACTIVITY J. F. Clark, G. Pyne-Seithman, Dept. of Neurology, Univ. of Cincinnati, Cincinnati, Ohio, USA

PW 254 PROPOXIEMALANOCORTIN, PROENKEPHALIN AND PRODYNORPHIN PROCESSING WITHIN IMMUNOCYTES OF MICE LACKING PROHORMONE CONVERTASE 2 AND CARBOXYPEPTIDASE E R. S. Yamodou1, M. Shabikbera2, M. Schafer1, C. Stein1, S. A. Mousa1, 1Chante-Universitaetsmedizin Berlin, Anesthesiology and Intensive Care Med., Berlin, Germany, 2Faculty of Med., Ludwig-Maximmiliani- Univ., Dept. of Anatomy, Munich, Germany

PW 255 TARGETED DELIVERY OF NPY INTO DORSAL ROOT GANGLION REDUCES PAIN-RELATED BEHAVIOR FOLLOWING INTRAPLANTAR CARRAGENAE INJEXSION S. Kostic, L. Pujja, D. Sapunar, Dept. of Anatomy, Histology and Embryology, Univ. of Split, Sch. of Med., Split, Croatia

PW 256 DESTABILIZATION OF THE MEDIOLINAL MESSENCEPHALUS AS A MODEL FOR DISSECTING PAIN PATHWAYS ASSOCIATED WITH DEVELOPMENT OF MURINE OSTEOARTHRITIS R. Das1, A. Plas1, J. D. Sand1, J. Li1, M. D. Tortorella2, A. M. Malaff3, 1Biochemistry & Rheumatology, Rush Univ. Med. Ctr., Chicago, IL, USA, 2Technology Transfer, GIBH, Guangzhou, China

PW 257 INFLUENCE OF OVARIECTOMY ON THE DEVELOPMENT OF DELAYED ONSET MUSCLE SORENESS (DOMS) IN FEMALE RATS K. Itoh, Clinical Anacupuncture and Moxibustion, Meiji Univ. of Integrative Med., Kyoto, Japan

PW 258 α,β-MEAT-P-MEDIATED FACILITATION OF BRAINSTEM NOCICEPTION IN MICE REQUIRES NNOS FOR INDUCTION AND INOS FOR MAINTENANCE D. Ristic, J. Ellrich, Hlth. Sci. and Technology, Aalborg Univ., Aalborg, Denmark


PW 260 DIFFERENTIAL SENSITIVITY TO FCA INDUCED MONOARTHRITIS IN TWO DIFFERENT STRAINS FROM TWO DIFFERENT BREEDERS K. Hygoe Blakeman, S. Oerther, Neuros., AstraZeneca, Sodertalje, Sweden

PW 261 EFFECT OF ELECTROACUPUNCTURE ON CHRONIC MUSCLE PAIN MODEL IN RATS Y. Minakawa, K. Itoh, Clinical Acupuncture and Moxibustion, Meiji Univ. of Integrative Med., Kyoto, Japan


PW 263 THE ACTIVATION OF PERIPHERAL KAPPA OPIOID RECEPTORS DIRECTLY BLOCKS INFLAMMATORY HYPERALGESIA THROUGH THE STIMULATION OF PI3K/GAMMA/AKT/INO signaling PATHWAY T. M. Cunha, A. C. Domingues, C. M. Lotufo, M. I. Funez1, G. R. Souza, F. O. Cunha, S. H. Ferreira, Pharmacology, Univ. of Sao Paulo-FMRP, Ribeira Preto, Brazil

PW 264 MIDBRAIN PERIAQUEDUCTAL GRAY-MEDIATED MORPHINE TOLERANCE AND GLIAL CELL EXPRESSION IS ALTERED IN THE ABSENCE AND PRESENCE OF PERSISTENT PAIN J. N. Estes, A. Z. Murphy, Neuros., Inst., Georgia State Univ., Atlanta, GA, USA

PW 265 µ-OPIOID RECEPTORS INHIBIT SUBSTANCE P RELEASE IN THE RAT SPINAL CORD DURING INFLAMMATION BUT NOT NEUROPATHIC PAIN W. Chen1, G. Zhang2, J. G. Mariviz2, 1Dept. of Med., Univ. of California Los Angeles, Los Angeles, CA, USA, 2Veteran Affairs Greater Los Angeles Healthcare System, Los Angeles, CA, USA

PW 266 MODULATORY ROLE OF THE ENDONUCLEAR NITRIC OXIDE SYNTHASE INHIBITOR, ASYMMETRIC DIMETHYLARGININE (ADMA), IN MORPHINE TOLERANCE AND DEPENDENCE IN MICE O. Gunduz, H. Karadag, A. Ulupol, Dept. of Pharmacology, Trakya Univ., Faculty of Med., Edirne, Turkey

PW 267 OPIOID RECEPTOR ACTIVATION AND EXPRESSION IS REGULATED BY PERIPHERAL INJURY IN BOTH DORSAL ROOT GANGLIA AND NERVE PAW OF RATS V. O. Zambelli1, A. O. Fernandes2, V. P. Gutierrez2, C. A. Para2, Y. Cury3, 1Pharmacology, Inst. of BioMed. Sci., Sao Paulo, Brazil, 2Lab. of Pathophysiology, Butantan Inst., Sao Paulo, Brazil, 3Physiology and Biophysics, Univ. of Campinas, Campinas, Brazil

PW 268 MODULATION OF REMIFENTANIL-INDUCED POSTINFUSION HYPERALGESIA BY PARECBOX OR KETOROLAC IN HUMANS H. Lenz4, J. Raeder1, T. Draegn5, F. Heyerdah1, M. Schmelz2, A. Stubhaug6, 1Dept. of Anesthesiologie-Ulevala, Univ. of Oslo and Oslo Univ. Hosp., Oslo, Norway, 2Dept. of Anesthesiologie-Ulevala, Oslo Univ. Hosp., Oslo, Norway, 3Dept. of Anesthesiologie, Univ. of Heidelberg, Mannheim, Germany, 4Dept. of Anesthesiologie-Rikshospitatet, Univ. of Oslo and Oslo Univ. Hosp., Oslo, Norway

PW 269 HYPERALGESIA INDUCED BY LONG TERM INTRAVENOUS INFUSION OF REMIFENTANIL IS ASSOCIATED WITH PHOSPHORYLATION OF EXTRACELLULAR SIGNAL-REGULATED PROTEIN KINASE IN RAT SPINAL DORSAL HORN NEURONS R. Ishida1, T. Nikai1, T. Hashimoto1, T. Tsumoro1, Y. Saito1, 1Anesthesiology, Shimane Univ. Faculty of Med., Izumo, Japan, 2Anatomy and Morphological Neurosci., Shimane Univ. Faculty of Med., Izumo, Japan

PW 270 TEST-RETEST RELIABILITY OF PHARMACODYNAMIC MEASURES USED IN ABUSE POTENTIAL TESTING: EVIDENCE FROM REPEATED ADMINISTRATION OF REMIFENTANIL A SHORT-ACTING POTENT OPIOID AGONIST M. J. Shram1, K. A. Schoedel2, R. Turriff2, E. M. Sellers3, 1Clinical Pharmacology, Kendle Early Stage-T oronto, Toronto, ON, Canada, 2Translational Med., Akermes., Inc., Waltham, MA, USA, 3Pharmacology, Med. and Psychiatry, Univ. of Toronto, Toronto, ON, Canada
PW 274 THE NEW SELECTIVE SIGMA-1 RECEPTOR (σR) ANTAGONIST S1RA REDUCES NEUROPATHIC PAIN BEHAVIOR AND ACTIVITY-INDUCED SPINAL SENSITIZATION. D. Zamanillo1, L. Romero1, J. Burguero1, X. Nadañ1, A. Dordal1, G. Gris1, A. Vidal1, M. Laloya1, C. Segalés1, E. Portillo-Salido1, K. Desure2, D. Zamanillo1, 1Pharmacology, Esteve, Barcelona, Spain, 2In vivo Pharmacology, ANS Biotech, Clermont-Ferrand, France, 1Lab. of Anesthesiology, Univ. of Antwerp, Belgium

PW 275 BENEFICIAL EFFECTS OF TELMISARTAN (AT1 ANTAGONIST) AGAINST EXPERIMENTAL MODELS OF NEUROPATHIC PAIN INDUCED BEHAVIORAL ALTERATIONS. V. Gaur3, L. Badrujjan4, S. K. Ghosh3, S. L. Bodhankar2, 1Univ. Inst. of Pharmaceutical Sci., Panjab Univ., Chandigarh, India, 2Poona Coll. of Pharmacy, Bharati Vidyapeeth Univ., Pune, India

PW 276 PERIPHERAL NERVE INJURY ALTERS THE EXPRESSION OF NF-κB IN THE RAT'S HIPPOCAMPUS. C. Chou1, G. T. Wong2, G. Lim3, S. Wang2, J. Mao1, 1Dept. of Anaesthesiology, The Univ. of Hong Kong, Hong Kong, Hong Kong, 2MGH for Translational Pain Res., Dept. of Anesthesia and Critical Care, Massachusetts Gen. Hosp., Boston, MA, USA

PW 277 NEUROANATOMICAL AND ELECTROPHYSIOLOGICAL FEATURES OF PARVALBUMIN-EXPRESSING NEURONS IN THE RODENT SPINAL DORSAL HORN. D. I. Hughes1, P. . Sah2, R. J. Callister3, B. A. Ringkamp1, J. Borzan2, R. A. Meyer1, 1Neurosurgery, Johns Hopkins Univ., Baltimore, MD, USA, 2Anesthesiology, Santa Paula Hosp., Sao Paulo, Brazil, 3Neurobiology Biozentrum, Univ. of Basel, Basel, Switzerland

PW 278 A NOVEL ROLE FOR GALANIN IN SUPRASPINAL MEDIATED HYPERALGESIA. F. P. Ribeiro1, A.MONTEIRO3, D. AMORIM3, A. PERTOVARA3, A. ALMEIDA3, J. NEUROSCI., ICVS, BRAGA, PORTUGAL, 1PHYSIOLOGY DEPT., BIOSCIENCES, HELSINKI, FINLAND

PW 279 TROPHIC FACTORS INDUCE DISTINCT OUTGROWTH AND RESPONSE TO ALGIC SUBSTANCES IN PROCESSES FROM ISOLATED DRG NEURONS IN A COMPARTMENTED CELL CULTURE. A. KLUSCH3, L. PONE1, A. HOLLOSCH1, M. HAFNER4, M. SCHMELZ1, M. PETERSEN1, 1Anesthesiology, Universitätsmedizin Mannheim, Mannheim, Germany, 2Inst. Molecular Cell Biology, Hochschule Mannheim, Mannheim, Germany

PW 280 FLARE REACTION INDUCED BY ACUPUNCTURE AND MOXIBUSTION REQUIRES TRPV1 ACTIVATION IN HUMAN SKIN. K. OKADA, K. KANDA, K. KAWAKITA, PHYSIOLOGY, MEIJI UNIV. OF INTEGRATIVE MED., NANTAN, JAPAN

PW 281 FUNCTIONAL AND STRUCTURAL CHANGES IN PERIPHERAL NERVES IN ANIMAL MODELS OF NEUROPATHIC PAIN. M. KUREOVA, S. ARBER, R. KUNER, 1PHARMACOLOGY INST., UNIV. OF HEIDELBERG, HEIDELBERG, GERMANY, 2NEUROBIOLOGY BIOzentrum, UNIV. OF BASEL BASEL, SWITZERLAND

PW 282 UNMYELINATED POLYMOLAL NONCEPTRORS IN MONKEY REACT TO 'PUNCTATE' STIMULATION WITH CAPSAICIN. M. RINGKAMP1, J. BOZAN1, R. A. MEYER3, 1NEUROSURGERY, JOHNS HOPKINS UNIV., BALTIMORE, MD, USA, 2ANESTHESIOLOGY AND CRITICAL CARE, JOHNS HOPKINS UNIV., BALTIMORE, MD, USA

PW 283 ENHANCED TARGET DERIVED GDNF/GFRα1 SIGNALING AFTER AXOTOMY AND REGENERATION ALTERS THE THERMAL SENSITIVITY OF POLYMOLAL C-FIBERS. W. B. ANDERSON, M. P. JANKOWSKI, C. E. ANDERSON, H. R. KOERBER, DEPT. OF NEUROBIOLOGY, UNIV. OF PITTSBURGH, PITTSBURGH, PA, USA

PW 284 INDUCTION OF CALCITONIN GENE-RELATED PEPTIDE (CGRP) RELEASE FROM SKIN NOCICEPTORS IN RAT AND MAN. A. TABAZZI, C. WINKLI, Y. QIAO, G. LEE, D. C. YEOMANS, 1ANESTHESIOLOGY, STANFORD UNIV., STANFORD, CA, USA, 2PLASTIC SURGERY, STANFORD UNIV., STANFORD, CA, USA

PW 285 DISSOCIATION OF TRPA1-DEPENDENT AND -INDEPENDENT MECHANISMS IN THE BEHAVIORAL AND CELLULAR RESPONSES TO FORMALIN INJECTION. J. M. BRAZ1, D. J. CAVANAUGH1, D. S. SHIELDS1, H. LEE2, D. J. ANDERSON3, A. I. BASTAU3, ANATOMY, UNIV. OF CALIFORNIA AT SAN FRANCISCO, SAN FRANCISCO, CA, USA, 2DIV. OF BIOLOGY, CALTECH, PASADENA, CA, USA, 3HOWARD HUGUES MED. INST., PASADENA, CA, USA

PW 286 RELIABILITY OF REPEATED DIFFUSE NOXIOUS INHIBITORY CONTROL TRIALS. L. J. KINDLEY1, C. VALENZIA1, J. J. PARRI, K. A. LARKIN1, P. A. BOSRA1, K. SIBILLE1, R. B. FILLINGM1, S. Z. GEORGE2, 1COMPREHENSIVE CRT. FOR PAIN RES., UNIV. OF FLORIDA, GAINESVILLE, FL, USA, 2DEPT. OF PHYSICAL THERAPY, UNIV. OF FLORIDA, GAINESVILLE, FL, USA, 3DEPT. OF APPLIED PHYSIOLOGY & KINESIOLOGY, UNIV. OF FLORIDA, GAINESVILLE, FL, USA, 4COLT. OF DENTISTRY, UNIV. OF FLORIDA, GAINESVILLE, FL, USA

PW 287 SENSORY PROFILES IN CHRONIC, UNEXPLAINED PAIN: A QUANTITATIVE SENSORY TESTING STUDY. T. J. SNIDERS1, K. S. LIEM1, J. VAN GJIN1, J. J. VAN WOJ1, D. S. VELDHUIZER1, NEUROLOGY, UNIV. MED. CRT. Utrecht/Rudolf Magnus Inst. of Neurosci., Utrecht, Netherlands, 2ANESTHESIOLOGY/PAIN CLINIC, UNIV. MED. CRT. Utrecht/Rudolf Magnus Inst. of Neurosci., Utrecht, Netherlands

PW 288 QUANTITATIVE ASSESSMENT OF SENSORY PROFILES IN WIDESPREAD VERSUS REGIONAL MANIFESTATIONS OF CHRONIC, UNEXPLAINED PAIN. K. S. LIEM1, T. J. SNIDERS1, J. VAN GJIN1, J. J. VAN WOJ1, D. S. VELDHUIZER1, NEUROLOGY, UNIV. MED. CTR. Utrecht/Rudolf Magnus Inst. of Neurosci., Utrecht, Netherlands, 2ANESTHESIOLOGY/PAIN CLINIC, UNIV. MED. CRT. Utrecht/Rudolf Magnus Inst. of Neurosci., Utrecht, Netherlands


PW 290 GENDER ROLE EXPECTATION OF PAIN PREDICTS RESPONSE TO EXPERIMENTALLY-INDUCED PAIN IN HEALTHY LIBYAN PARTICIPANTS. O. A. ALABAD, O. A. TASHANI, G. TABASHI, M. I. JOHNSON, Ctr. for Pain Research, Leeds Metropolitan Univ., Leeds, United Kingdom

PW 291 SEX DIFFERENCES IN PERCEIVED PAIN ARE EXPLAINED BY AN ANXIOUS BRAIN. K. MICHAUD, J. GAUDREAU, P. CHALAYE, S. MARCHAND, P. GOULFA, FACULTÉ DE MÉDECINE, UNIV. DE SHERBROOKE, SHERBROOKE, QC, CANADA

PW 292 LYSOPHOSPHATIDIC ACID RECEPTOR (LPA1) EXPRESSION IS NECESSARY FOR PHASIC DESCENDING INHIBITION OF BELOW-LEVEL NOCICEPTIVE FUNCTION FOLLOWING INCOMPLETE THORACIC SPINAL CORD COMPRESSION INJURY. I. GALAN3, M. SUARDIÁEZ3, J. MAZARIO3, G. AVILA1, G. ESTIVIL1, F. RODRIGUEZ1, J. CHURRI, J. TAYLOR1, HOSP. NAT. DE PARAPLEJICOS, TOLEDO, SPAIN, 2FUNDACIÓN IMABIS, MÁLAGA, SPAIN, 3DEPT. OF MOLECULAR BIOLOGY, HELEN L. DORRIS CHILD AND ADOLESCENT NEUROPSYCHIATRIC DISORDER INST., LA JOLLA, CA, USA

PW 293 MEMBRANE EXCITABILITY IN LABIMA I NEURONS FOLLOWING HIGH FREQUENCY STIMULATION OF PRIMARY AFFERENT NERVE FIBERS. A. NAKA, D. GRUBER-SCHOFFNEGGER, J. SANDKÜHLER, DEPT. OF NEUROPHYSIOLOGY, CRT. FOR BRAIN RES., MED. UNIV. OF VIENNA, VIENNA, AUSTRIA

PW 294 PROPERTIES OF SPINAL LAMINA III GABAERGIC NEURONS IN NEUROPATHIC MICE. M. GESSNER1, J. LEITNER1, J. SANDKÜHLER, DEPT. OF NEUROPHYSIOLOGY, CRT. FOR BRAIN RES., MED. UNIV. OF VIENNA, VIENNA, AUSTRIA

PW 295 PROPERTIES AND BEHAVIOURAL RELEVANCE LONG-TERM POTENTIATION IN THE SUPERFICIAL DORSAL HORN AFTER OPPIOID WITHDRAWAL. C. HEARD1, R. DRIJA1, J. SANDKÜHLER, DEPT. OF NEUROPHYSIOLOGY, CRT. FOR BRAIN RES., MED. UNIV. OF VIENNA, VIENNA, AUSTRIA

PW 296 GROUP I METABOTROPIC GLUTAMATE RECEPTOR ACTIVATION MEDIATES LTP OF GABAERGIC SYNAPTIC TRANSMISSION OF SUPERFICIAL DORSAL HORN NEURONS. H. FENSELAY1, B. HEINKE1, J. SANDKÜHLER, DEPT. OF NEUROPHYSIOLOGY, CRT. FOR BRAIN RES., MED. UNIV. OF VIENNA, VIENNA, AUSTRIA
PW 297 ENHANCED TYROSINE, BUT NOT SERINE, PHOSPHORYLATION OF SPINAL N-METHYL-D-ASPARTATE RECEPTOR NR2B SUBUNITS IN DORSAL HORN NEURONS AND MICROGLIA CONTRIBUTES TO DIABETES-INDUCED PAINFUL NEUROPATHY C. Courtex, V. Maillo, M. Etienne, A. Privat, J. Fiallo, A. Eschaller, L. Daubac, Faculty of Pharmacy, Clermont Univ., INSERM U766, Clermont-Ferrand, France, Faculty of Pharmacy, Clermont Univ., INSERM U766, Clermont-Ferrand, France, Faculty of Med., Clermont Univ., INSERM U766, Clermont-Ferrand, France

PW 298 INTRINSIC BURST-FIRING IN NEWBORN LAMINA I NEURONS OF THE RAT SPINAL CORD M. L. Baccie, J. Li, Dept. of Anesthesiology, Univ. of Cincinnati Med. Ctr., Cincinnati, OH, USA

PW 299 NEONATAL SURGICAL INJURY FACILITATES NOCICEPTIVE SYNAPTIC INPUT ONTO SUPERFICIAL DORSAL HORN NEURONS J. Li, M. L. Baccie, Dept. of Anesthesiology, Univ. of Cincinnati Med. Ctr., Cincinnati, OH, USA

PW 300 CHARACTERIZATION OF CALCETININ EXPRESSING INTERNEURONS IN THE SUPERFICIAL DORSAL HORN OF THE MOUSE SPINAL CORD B. A. Graham, D. I. Hughes, R. Lmi, P. Sah, A. M. Brichta, R. J. Callister, Sch. of BioMed. Sci. and Pharmacy, Univ. of Newcastle, Callaghan, Australia, Faculty of BioMed. and Life Sci., Univ. of Glasgow, Glasgow, United Kingdom, Queensland Brain Inst., Univ. of Queensland, Brisbane, Australia


PW 302 EVALUATION OF ANTIINOCICEPTIVE EFFECT OF GABAERIC NEURAL PROGENTER CELL TRANSPLANTS IN A RODENT MODEL OF PERIPHERAL NEUROPATHIC PAIN S. Jergova, M. S. Varghese, S. Gajavelli, H. Bastuji, S. Mazza, C. Perchet, M. Frot, F. Mauguiere, Lumière Lyon 2, Bron, France


PW 304 DYNAMICAL TUNING OF THE HUMAN WITHDRAWAL REFLEX RECEPTIVE FIELDS DURING COGNITIVE ATTENTION AND DISTRACTION Tasks L. Bjerre, A. Andersen, N. Ge, M. T. Hagelskjær, C. D. March, O. K. Andersen, Ctr. for Sensory-Motor Interaction, Aalborg Univ., Aalborg, Denmark


PW 306 HIGHLY LOCALIZED EXCITATORY EFFECTS OF SPROUTING SYMPATHETIC FIBERS ON SENSORY NEURONS OBSERVED IN DRG FROM TRANSGENIC TH REPORTER MICE J. A. Strong, W. Xie, J. Zhang, Anesthesiology, Univ. of Cincinnati, Cincinnati, OH, USA


PW 309 GENERATORS OF EARLY NOCICEPTIVE BRAIN RESPONSES DURING SLEEP: A STUDY WITH INTRACRANIAL RECORDINGS IN HUMANS H. Bastuji, S. Massa, C. Perchet, M. Frot, F. Mauguiere, M. Magnin, L. Garcia-Larrea, Lyon Univ., Lyon, France, INSERM U 879, Central Integration of Pain, Univ. Claude Bernard Lyon 1, Lyon, France, Univ. Lumière Lyon 2, Bron, France

PW 310 PREGABALIN BLOCKS CENTRAL SENSITIZATION AND GLUTAMATE RELEASE IN RODENT MEDULLARY DORSAL HORN ASSOCIATED WITH ACUTE TOOTH PULP P. S. Cherkas, N. Kumar, M. Miyamoto, T. J. Codere, J. O. Dostrovsky, B. J. Sessle, Dept. of Dentistry, Univ. of Toronto, Toronto, ON, Canada, 2Dept. of Anesthesia, and Alan Edwards Ctr. for Res. on Pain, McGill Univ., Montréal, QC, Canada, 3Faculty of Med., Univ. of Toronto, Toronto, ON, Canada


PW 312 CHRONIC PULP INFLAMMATION IS ASSOCIATED WITH CENTRAL SENSITIZATION AND GLIAL CELL CHANGES IN RAT MEDULLARY DORSAL HORN M. Miyamoto, V. Varathan, P. S. Cherkas, J. W. Hu, Y. Tsutou, K. Iwata, J. O. Dostrovsky, B. J. Sessle, Faculty of Dentistry, Univ. of Toronto, Toronto, ON, Canada, 2Dept. of Anesthesiology, NIH Univ. Sch. of Dentistry, Tokyo, Japan, 3Dept. of Physiology, NIH Univ. Sch. of Dentistry, Tokyo, Japan, 4Faculty of Med., Univ. of Toronto, Toronto, ON, Canada

PW 313 SEROTONIN ENHANCES CAPSAICIN-SENSITIVE TRIGEMINALnociceptor function via serotonin receptor colocalization with TRPV1 in rat trigeminal sensory neurons D. R. Loyd, G. Helesic, M. A. Henny, M. Hargreaves, Endodontics, Univ. of Texas Hlth. Sci. Ctr., San Antonio, TX, USA, 2Pharmacology, Univ. of Texas Hlth. Sci. Ctr., San Antonio, TX, USA

PW 314 TRIGEMINAL INJURY CAUSES KAPPA OPIOID-DEPENDENT ALLODYNIA, GLIAL AND CELL RESPONSES IN MICE M. Xu, M. Byers, C. Chavoir, Anesthesiology, Univ. of Washington, Seattle, WA, USA, 2Pharmacology, Univ. of Washington, Seattle, WA, USA

PW 315 A NOVEL MODEL OF TRIGEMINAL NEUROPATHIC PAIN IN THE RAT USING A SINGLE LIGATURE TO INDUC A PARTIAL AXOTOMY LESION OF THE INFRAO RBITAL NERVE W. R. Bauer, F. A. White, Neurosci., Univ. of Toledo Coll. of Med., Toledo, OH, USA, 2Anesthesia, Indiana Univ. Sch. of Med., Indianapolis, IN, USA

PW 316 MODULATION OF VISCERAL HYPERSENSITIVITY BY GLIAL CELL LINE-DERIVED NEUROTROPHIC FACTOR (GDNF) FAMILY RECEPTOR ALPHA-3 IN COLON AFFERENTS T. Tanaka, M. Shinoda, B. Feng, M. Albers, G. F. Gebhart, Ctr. for Pain Res., Dept. of Anesthesiology, Univ. of Pittsburgh, Pittsburgh, PA, USA, 2Dept. of Physiology, NIH Univ. Sch. of Dentistry, Tokyo, Japan, 3Ctr. for Pain Res., Dept. of Med., Univ. of Pittsburgh, Pittsburgh, PA, USA

PW 317 EARLY-IN-LIFE BLADDER INFLAMMATION INCREASES SUBSTANCE P AND CGRP IN THE BLADDER A. D. Shaffer, M. T. Robbins, A. Randich, T. J. Nessi, Psychology, Univ. of Alabama at Birmingham, Birmingham, AL, USA, 2Anesthesiology, Univ. of Alabama at Birmingham, Birmingham, AL, USA

PW 318 MECHANOSENSITIVE AND -INSENSITIVE AFFERENTS IN THE PELVIC AND SPHINCHNIC NERVE INNERVATIONS OF THE MOUSE COLORECTUM B. Feng, G. F. Gebhart, Ctr. for Pain Res., Dept. of Anesthesiology, Univ. of Pittsburgh, Pittsburgh, PA, USA

PW 319 DORSAL ROOT GANGLION (DRG) NEURONS INNERVATING THE MURINE JEJUNUM RESPOND TO CAPSAICIN, 2-METHYL-5-HT AND EXPRESS TTX-RESISTANT NAV CHANNELS B. Feng, G. F. Gebhart, Ctr. for Pain Res., Dept. of Anesthesiology, Univ. of Pittsburgh, Pittsburgh, PA, USA, 2Dept. of Physiology, Sch. of Dentistry, Tokyo, Japan, 3Ctr. for Pain Res., Dept. of Med., Univ. of Pittsburgh, Pittsburgh, PA, USA

PW 320 MAROPITANT, A NK-1 ANTAGONIST DECREASES THE SEVOFLURANE MAC DURING VISCERAL STIMULATION IN DOGS P. Boscan, E. Monnet, K. Mama, D. Twedt, J. Congdon, E. Steffey, CSU, Fort Collins, CO, USA

PW 321 NGF-INDUCED DETRUSOR OVERACTIVITY IS TRPV1-DEPENDENT A. Charrua, B. Frias, F. Cruz, C. D. Cruz, Inst. of Histology and Embryology, Faculty of Med. of Porto, Porto, Portugal, 2Dept. of Urology, Hosp. S. João, Porto, Portugal
PW 325 PAIN TREATMENT AND POSTOPERATIVE WELL-BEING F. D. Correia, Unidade de Dor, Hosp. Central do Funchal, Funchal-Madeira, Portugal

PW 326 OPIOID ANALGESIA IN CHILDREN M. Geeta, P. Krishnakumar, P. Geetha, V. Ajithkumar, Dept. of Pediatrics, Med. Coll., Calicut, Calicut, India

PW 327 IMMEDIATE POSTOPERATIVE PAIN IN ORPHEDIC PATIENTS IS MORE INTENSE AND REQUIRE MORE ANALGESIA THAN IN POSTLAPAROTOMY PATIENTS S. Chazan1, A. Weinbroum2, M. P. Ekstein2, 1Acute Pain Service, Sournsky Med. Ctr., Tel Aviv, Israel, 2Post Anesthesia Care Unit, Sournsky Med. Ctr., Tel Aviv, Israel, 3Anesthesia and Intensive Care Med., Sournsky Med. Ctr., Tel Aviv, Israel

PW 328 ORTHOPAEDIC FOOT SURGERY IN A DAY-SURGERY SETTING: COMPARING POST-OPERATIVE PAIN RELIEF OBTAINED WITH BUPRENORPHINE, OXOCODONE AND HYDROMORPHINE E. Ercolani1, V. Vitali2, P. Arcangelo1, D. Battelii1, 1Multidisciplinary-Day Surgery Unit, Ospedale di Stato della Repubblica di San Marino, San Marino, San Marino, 2Pain Therapy Unit, Ospedale di Stato della Repubblica di San Marino, San Marino, San Marino, 3Anesthesia and Intensive Care, Azienda Ospedaliero-Univ. Policlinico, Modena, Italy

PW 329 A COMBINED SNP MUTATION OF THE MOR (A118G) AND COMT (G1947A) AFFECTS PATIENT-CONTROLLED ANALGESIA MORPHINE CONSUMPTION IN THE PATIENTS WITH ACUTE POSTOPERATIVE PAIN V. Kolesnikov1, B. Gabovits1, A. Vasek1, East Tallinn Central Hosp., Tallinn, Estonia, 2Human Genetics, Tallinn Technology Univ., Tallinn, Estonia

PW 330 AN AUDIT TO EVALUATE THE EFFECTIVENESS OF AN OPIOID DOSING ALGORITHM ON POSTOPERATIVE PAIN SCORES N. L. Bounce1, G. Chumbley, Pain Service, Imperial Coll. Healthcare NHS Trust, London, United Kingdom

PW 331 OPIOID USE AMONG PATIENTS WITH CHRONIC NON-MALIGNANT PAIN RECEIVING MELATYNALTREXONE FOR OPIOID-INDUCED CONSTIPATION A. J. Well1, M. E. Duerderr1, S. Schumari1, E. Tzania1, D. Yu1, A. Manley2, H. Zhang2, B. Randazzo3, 1Non-Surgical Oncologist Inst. Curie, Paris 75248, France, 2Information Services, Emory Healthcare, Atlanta, GA, USA, 3Radiation Oncology, Med. Univ. of Graz, Graz, Austria

PW 332 PERINEURAL DEXMEDETOMIDINE PROVIDES AN INCREASED DURATION OF ANALGESIA TO A THERMAL STIMULUS WHEN COMPARED TO A SYSTEMIC CONTROL IN A RAT SCIATIC NERVE DURATION OF ANALGESIA TO A THERMAL STIMULUS WHEN PERINEURAL DEXMEDETOMIDINE PROVIDES AN INCREASED PW 332 C. M. Brummett, F. S. Amodeo, A. M. Janda, A. K. Padda, R. Lydic, 1Anesthesiology, Med. Univ. of Graz, Graz, Austria, 2Post Anesthesia Care Unit, Sournsky Med. Ctr., Tel Aviv, Israel, 3Anesthesia and Intensive Care Med., Sournsky Med. Ctr., Tel Aviv, Israel

PW 333 ANALGESIC EFFECT OF INTRANASAL DEXMEDETOMIDINE IN THIRD MOLAR SURGERY UNDER LOCAL ANAESTHESIA C. Cheung, J. Ng, M. Irwin, Anaesthesiology, The Univ. of Hong Kong, Hong Kong


PW 335 COMBINED PARACETAMOL AND TRAMADOL FOR POSTOPERATIVE PAIN CONTROL E. F. Mikhail, Anaesthesiology, ICU, and Pain Management Dept., Benha Faculty of Med., Benha Univ., Benha, Egypt

PW 336 PREVALENCE CHARACTERISTICS AND RISK FACTORS OF PERSISTENT POST-OPERATIVE PAIN AFTER CARDIAC SURGERY J. Watt-Watson1, M. Choniere1, J. Costello2, C. Feindel3, D. Guerriere1, M. Camm4, J. Cogeri5, M. Guertin4, F. Lesperance4, J. Bussieres5, R. Baskett6, J. McFetridge-Durdle7, J. Sullivan8, 1LS Bloomberg Faculty of Nursing, Univ. of Toronto, Toronto, ON, Canada, 2Anesthesiology, Univ. of Montréal, CHUM, Montréal, QC, Canada, 3Nursing, Univ. of Toronto, Univ. Hlth. Network, Toronto, ON, Canada, 4Surgery, Univ. of Toronto, Univ. Hlth. Network, Toronto, ON, Canada, 5Hlth. Policy, Management & Evaluation, Univ. of Toronto, Toronto, ON, Canada, 6Surgery, Univ. of Montréal, Montréal, QC, Canada, 7Anesthesiology, Univ. of Montréal, Montréal, QC, Canada, 8Biostatistics Services, Montréal Heart Inst., Montréal, QC, Canada, 9Psychiatry, Univ. of Montréal, Toronto, QC, Canada, 10Anesthesiology, Laval Univ., Laval, QC, Canada, 11Surgery, Dalhousie Univ., Halifax, NS, Canada, 12Nursing, Dalhousie Univ., Halifax, NS, Canada

PW 337 TRANSITIONING PAPER BASED PROVIDER DOCUMENTATION FOR INPATIENT ACUTE PAIN SERVICE TO DOCUMENTATION USING THE ELECTRONIC MEDICAL RECORD P. M. Kelly1, M. W. Allen1, C. Curtis1, N. Picard1, 1Anesthesiology-Acute Pain Service, Emory Healthcare, Atlanta, GA, USA, 2Information Services, Emory Healthcare, Atlanta, GA, USA

PW 338 BENEFICIAL EFFECT OF AN ORAL CANNABINOIDS IN PATIENTS WITH IBS S. Lee1, M. M. Lee2, 1Med., Univ. of Manitoba, Winnipeg, MB, Canada, 2Med. Clinic, North Vancouver, BC, Canada

PW 339 OPIATE SPARING EFFECTS OF CANNABINOIDS IN REFRACTORY CRPS PATIENTS M. C. Ong1, S. Basic2, 1Med. Clinic, Vancouver, BC, Canada, 2Anesthesiology, ICU, and Pain Management Dept., Benha Faculty of Med., Benha Univ., Benha, Egypt

PW 340 TREATMENT OF POSTOPERATIVE ACUTE INTERCOSTAL PAIN SYNDROME (AIPS) FOLLOWING GYNAECOLOGICAL & OBSTETRIC OPERATIONS I. A. Suljevic1, I. Sukovic2, A. Karkin3, E. Boskailo4, M. Suljevic5, 1Anesthesiology, Univ. Clinical Ctr. Sarajevo, Sarajevo, Bosnia and Herzegovina, 2Endocrinology, Univ. Clinical Ctr. Sarajevo, Sarajevo, Bosnia and Herzegovina, 3Pain Therapy, HOPE 87, Sarajevo, Bosnia and Herzegovina, 4State Hosp., Sarajevo, Bosnia and Herzegovina, 5Pain Therapy, HOPE 87, Sarajevo, Bosnia and Herzegovina, 1Anesthesiology, Med. Univ. Sarajevo, Sarajevo, Bosnia and Herzegovina

PW 341 PREGABALIN-INDUCED DELAYED RASH REACTION IN A SINGAPORE POPULATION B. M. Lee1, A. Tau2, B. Sing3, 1Singapore Pain Care Ctr., Singapore, Singapore, 2Anaesthesiology, KK Women and Children Hosp., Singapore, Singapore

PW 342 THE EFFECT OF PREOPERATIVE PREGABALIN ADMINISTRATION ON POSTOPERATIVE OPIOID CONSUMPTION: A SYSTEMATIC REVIEW H. Bornemann-Cimenti1, K. Jeitler2, M. W. Portmann1, K. Michael1, A. Siebenhofer-Kroitzsch2, A. Sandner-Kiesling1, 1Dept. of Anesthesiology and Intensive Care Med., Med. Univ. of Graz, Graz, Austria, 2EBM Review Ctr., Inst. for Med. Informatics, Statistics and Documentation, Med. Univ. of Graz, Graz, Austria

PW 343 PREGABALIN FOR POST-HERPETIC NEURALGIA: POOLED ANALYSIS OF THREE RANDOMIZED CONTROLLED CLINICAL TRIALS P. Dhamja1, D. Hota, A. Chakrabarti, Pharmacology, PGIMER, Chandigarh, Chandigarh, India

PW 344 PLACEBO RESPONSE IN CLINICAL TRIALS OF PREGABALIN IN PAINFUL DIABETIC PERIPHERAL NEUROPATHY R. Freeman1, Y Xiu2, B. Emir3, E. Whalen2, T. Murphy2, 1Beth Israel Deaconess Med. Ctr., Boston, MA, USA, 2Pfizer Inc., New York, NY, USA

PW 345 OBSERVATIONAL SURVEY OF PATIENTS WITH SEVERE CANCER PAIN TREATED WITH OXOCODONE IN A PAIN OR PALLIATIVE CARE CENTER: OCs2 COHORT C. Caussel1, M. Navez2, F. Clere3, Y. M. Kirvat4, C. Jossel5, B. Chuberra6, 1Pharmacien Mundipharma, Issy les Moulineaux, France, 2Anesthesiologist Ctr. Dept. CHU, Saint Etienne 42055, France, 3Pain specialist CH, Chateauroux 36000, France, 4Radiation Oncologist Inst. Curie, Paris 75248, France, 5Pain specialist CHU, Amiens 80054, France

PW 370 INOS DIMERIZATION INHIBITION IS ANTINOCICEPTIVE IN RODENT MODELS OF NEUROPATHIC PAIN S. J. Elmes1, A. Gilbert, A. Archambault1, M. Morissette1, B. L. Brown1, F. Montichi1, M. N. Perkins1, C. Q. Cao1, BiocSci., AstraZeneca R&D Montréal, St. Laurent, QC, Canada, 2Chemistry, AstraZeneca R&D Montréal, St. Laurent, QC, Canada

PW 371 THE NOVEL ANTI-ALLODYNIC AGENT, PRG150, IS A NITRIC OXIDE (NO) DONOR WHICH MODULATES MU-OPIOID RECEPTOR FUNCTION L. Y. Huang, B. D. Wyse, M. T. Smith, Sch. of Pharmacy, The Univ. of Queensland, St Lucia, Australia

PW 372 PHARMACOKINETICS, PHARMACODYNAMICS, AND TOLERABILITY OF SINGLE AND MULTIPLE DOSES OF AN ORALLY AVAILABLE INHIBITOR OF FATTY ACID AMIDE HYDROLASE IN HEALTHY SUBJECTS G. Li1, V. H. Le1, J. McManus1, K. F. White1, K. Sinha1, T. J. Young1, J. P. Huggins1, Pfizer Pharmatherapeutics, Sandwich, United Kingdom, 2Pfizer Pharmatherapeutics, Sandwich, United Kingdom

PW 373 B0514004, A CLINICAL TRIAL TO EXAMINE THE EFFICACY OF PF-04457845, A FATTY ACID AMIDE HYDROLYASE (FAAH) INHIBITOR IN REDUCING PAIN DUE TO OSTEARTHRITIS OF THE KNEE S. R. Langman, T. S. Smart, G. Li, M. Boucher, L. Taylor, T. J. Young, J. P. Huggins, Pfizer Pharmatherapeutics, Sandwich, United Kingdom

PW 374 TARGET VALIDATION AND DOSE-RESPONSE STUDY USING INTRADERMAL MICRODOSES OF TRPV1 ANTAGONISTS IN HEALTHY VOLUNTEERS B. Jonzon1, A. Sundgren-Andersson1, H. Quiding, M. Carlsson, A. Karrn, M. Segerdahl1, AstraZeneca R&D, Soderfjall, Sweden

PW 375 THE ANTI NGF ANTIBODY, MEDI-578, DEMONSTRATES ACTIVITY IN A PRE-CLINICAL MODEL OF INFLAMMATORY PAIN J. P. Hatcher1, K. Anghey-Moller1, J. P. Wallin2, O. Berge1, I. P.Chessell1, C. Stenfors1, MedImmune, Cambridge, United Kingdom, 2Disease Biology, Local Discovery Res. Area CNS and Pain, AstraZeneca, Soderfjall, Sweden

PW 376 SINGLE AND MULTIPLE ASCENDING DOSE STUDIES OF AN ORAL TRPV1-ANTAGONIST AZD11386 IN HEALTHY VOLUNTEERS L. Ståhle1, B. Jonzon1, M. Bjornsson1, R. Chetty3, F. Miller4, 1Clinical Pharmacology and Pharmacoepidemiology, AstraZeneca R&D, Alderly Park, United Kingdom, 2Clinical Pharmacology and Pharmacoepidemiology, AstraZeneca R&D, Alderly Park, United Kingdom, 3Premier Res. Group, Austin, TX, USA, 4Premier Res. Group Limited, Salt Lake City, UT

PW 377 A NOVEL ALPHA PEROXISOME-PROLIFERATOR ACTIVATED RECEPTOR AGONIST REDUCES CENTRAL SENSITIZATION AND PROMOTES DESCENDING NOXIOUS INHIBITORY CONTROL AFTER SPINAL CORD INJURY IN THE RAT G. Avila1,2, J. T. Taylor1, Hosp. Natl. de Parapléjicos, Toledo, Spain

PW 378 MUSCARNIC M1 AGONISTS ARE ANALGESIC IN RODENT MODELS OF INFLAMMATORY AND NEUROPATHIC PAIN VIA A SUPRASPINAL ACTION G. Martino1, F. McIntosh2, M. N. Perkins3, J. M. Laird4, BioSci., AstraZeneca, Montréal, QC, Canada

PW 379 IMMUNOMODULATION BY ALPHA 2B ADRENERGIC AGONISTS CONTRIBUTES TO PROLONGED ALLODYNIA REVERSAL IN NEUROPATHIC PAIN MODELS V. Viswanath1, J. E. Donello2, L. M. Luhrs3, T. Y. Chun4, C. M. Cheevers1, S. L. Melnyt1, C. S. Schaumburg4, M. E. Stern1, D. W. Gil1, Biological Sci., Allergan, Irvine, CA, USA

PW 380 EFFICACY OF LAFUTIDINE FOR FIBROMYALGIA K. Todai, Rehabilitation, Hatsuakihi Mem. Hosp., Hatsuakihi, Japan

PW 381 SAFETY PROFILE OF DLYOJECT®, A NOVEL PARENTERAL DILOFENAC FORMULATION, IN 971 POSTOPERATIVE PATIENTS INCLUDING OLDER, RENALLY OR HEPATICALLY IMPAIRED, AND ANTICOAGULATED J. E. Cheilly1, D. Hamilton1, E. Lang1, M. Nelson2, S. Singla1, B. C. Barr1, 1Univ. Pittsburgh Med. Ctr., Pittsburgh, PA, USA, 2Javelin Pharmaceuticals, Inc, Cambridge, MA, USA, 3Heilen Keller Hosp., Sheffield, AL, USA, 4Glendale Adventist Med. Ctr., Glendale, CA, USA

PW 382 A POOLED ANALYSIS EVALUATING THE EFFICACY OF ETORICOXIB IN POSTOPERATIVE DENTAL PAIN S. A. Cooper1, S. Daniels1, A. Gammaltori1, H. Wang1, A. Mehta2, P. M. Polosko3, LLC, Palm Beach Gardens, FL, USA, 1Premier Res. Group, Austin, TX, USA, 2Merck Res. Lab., Rahway, NJ, USA

PW 383 LONGITUDINAL NUMBERS-NEEDED-TO-TREAT (NNT) FOR ACHIEVING VARIOUS LEVELS OF ANALGESIC RESPONSE WITH ETORICOXIB, NAPROXEN, AND PLACEBO IN ANKLYSING SPONDYLITIS A. Gammaltori1, H. Wang1, S. S. Smugar1, P. M. Polosko3, LLC, Palm Beach Gardens, FL, USA, 1Premier Res. Group, Austin, TX, USA, 2Merck Res. Lab., Rahway, NJ, USA

PW 384 COMPARISON OF THE ANALGESIC EFFICACY OF CONCURRENT IBUPROFEN AND PARACETAMOL WITH IBUPROFEN OR PARACETAMOL ALONE IN THE MANAGEMENT OF MODERATE-TO-SEVERE POSTOPERATIVE DENTAL PAIN D. R. Mehlisch1, M. D. DDS2, S. Aspely3, S. E. Daniels4, D. P. Bandy4, DDS5, DDS & Associates, Palm Desert, CA, USA, 1Reckitt Benkiser Healthcare (UK), Hull, United Kingdom, 2Premier Res. Group Limited, Austin, TX, USA, 3Premier Res. Group Limited, San Marcos, TX, USA


PW 386 HERITABILITY OF OPIOID EFFECTS: PRELIMINARY RESULTS OF A TWIN STUDY N. G. Phillips1, D. J. Clark1, G. E. Swan2, L. Lazzeroni2, M. S. Anger1, 1Stanford Univ., Stanford, CA, USA, 2SRI, Menlo Park, CA, USA

PW 387 EFFECT OF A SINGLE ADMINISTRATION OF 40MG OXYMORPHONNE HYDROCHLORIDE, TAKING FASTING VERSUS WITH FOOD, ON COGNITIVE FUNCTIONING IN OPIOID-TOLERANT SUBJECTS: A RANDOMIZED, SINGLE-BLIND, CROSSOVER STUDY E. L. Spierings1, E. L. Spierings1, I. Holland1, 1Department of Psychopharmacology, Utrecht Univ., Utrecht, Netherlands, 2Dept. of Neurology, Brigham and Women’s Hosp., Harvard Med. Sch., Boston, MA, USA


PW 389 EFFICACY AND SAFETY OF OXYCODONE AND NALOXONE IN A PROLONGED RELEASE (PR) FIXED COMBINATION IN PATIENTS WITH CHRONIC MUSCULOSKELETAL PAIN W. Meissner1, B. Krair1, M. Hopp2, 1Clinic of Anaesthesiology and Intensive Care Med., Univ. of Jena, Jena, Germany, 2Mundipharma Res. GmbH & Co. KG, Limburg, Germany

PW 390 POSITIVE AND NEGATIVE SUBJECTIVE EFFECTS OF INTACT AND CRUSHED MORPHINE SULFATE AND NALTREXONE HYDROCHLORIDE EXTENDED RELEASE CAPSULES VS. MORPHINE SULFATE SOLUTION IN NON-DEPENDENT RECREATIONAL OPIOID USERS M. Stanton1, B. Setnir1, M. Romachi1, E. Seller1, 1King Pharmaceuticals, Inc., Bridgewater, NJ, USA, 2Kendle Intl., Inc., Toronto, ON, Canada

PW 391 BLENDING SUSTAINED-RELEASE OR LONG ACTING OPIOIDS IN NONCANCER PAIN PATIENTS MAY IMPROVE EFFICACY AND REDUCE DEVELOPMENT OF ANALGESIC TOLERANCE: LONG TERM FOLLOW UP J. S. Gardner-Nix, Anaesthesia, St Michael’s Hosp., Toronto, ON, Canada

PW 392 EVALUATION OF EFFICACY AND SAFETY OF FENTANYL TRANSDERMAL PATCH (DUROGEL® D-TRANS) IN CHRONIC PAIN S. Jean, Neuro Surgeon, Seoul Asan Med. Center, Seoul, Korea, Republic of

PW 393 CX1/CYT-1010: AN ANALOG OF ENDMORPHIN-1 WITH POTENT ANTINOCICEPTIVE PROPERTIES AFTER SYSTEMIC ADMINISTRATION L. E. Zadina1, T. E. Malone1, X. Zhang1, L. Hacker1, 1SE Louisiana Veterans HCS, New Orleans, LA, USA, 2Med., Pharm, Neuro, Tulane Univ. Sch. of Med., New Orleans, LA, USA, 3Cytogel, LLC, Dallas, TX, USA, 4Med., Tulane Univ. Sch. of Med., New Orleans, LA, USA
PW 416 OPTIMIZED PERIOPERATIVE ANALGESIA REDUCES CHRONIC PHANTOM LIMP PAIN PREVALENCE, INTENSITY AND FREQUENCY

PW 417 THE IMPORTANCE OF PREEMPTIVE ANALGESIA FOR POSTOPERATIVE PAIN: BIOCHEMICAL EVALUATION

PW 418 TOPICAL ASPIRIN/DIETHYL ETHER MIXTURE FOR ACUTE HERPETIC AND POST-HERPETIC NEURALGIA: 15 YEARS OF CLINICAL EFFICACY
G. De Benedittis, Dept. of Neurological Sci., Univ. of Milan, Interdepartmental Pain Ctr., Milano, Italy

PW 419 CIVAMIDE PATCH, 0.015% IS EFFECTIVE IN RELIEVING PAIN AND IMPROVING SLEEP IN POST-HERPETIC NEURALGIA

PW 420 A REVIEW OF CLINICAL PRACTICE RELATED TO THE USE AND EFFICACY OF 5% LIGNOCAINE PLASTER
S. Radambande, S. Khot, Anaesthesiology, Univ. Hosp. of Wales, Cardiff, United Kingdom

PW 421 SUCCESSFUL MANAGEMENT OF POSTSURGICAL/TRAUMATIC NEUROPATHIC PAIN USING 5% LIGNOCAINE MEDICATED PLASTER: CASE SERIES OF FOUR CASES
A. Ghei1, S. Krishna2, S. Khot1, 1Anaesthetics, Univ. Hosp. of Wales, Cardiff, United Kingdom, 2Anaesthetics, Birmingham Heartlands NHS Trust, Birmingham, United Kingdom

PW 422 ARE INTRATHecal ZICONITIDE, MORPHINE, AND BACLOFEN NECESSARY TO TREAT PAIN?

PW 423 INTERLAMINAR VS. TRANSFORAMINAL EPIDURAL STEROID INJECTIONS FOR UNILATERAL RADICULAR PAIN: RANDOMIZED, PROSPECTIVE STUDY
I. Rados1, K. Sakic2, M. Fingler1, L. Kapural3, 1Anesthesiology, Univ. Hosp. Osijek, Osijek, Croatia, 2Anesthesiology, Na Homolce Hosp., Praha, Czech Republic, 3Institute of Inorganic Chemistry, Czech Academy of Sci., Prague, Czech Republic

PW 424 CATHETER GRANULOMA ABOVE SPINAL STENOSIS AFTER LOW DOSAGE OF INTRATHecal MORPHINE: A CASE REPORT
J. Vrbak1, I. Stetkariova1, R. Tomas1, M. Syrcek1, J. Kozak1, 1ICU, Na Homolce Hosp., Praha, Czech Republic, 2Dept. of Psychology and Psychosomatic, Charles Univ., Fac. Med., Prague, Czech Republic, 3Pathology, Na Homolce Hosp., Praha, Czech Republic, 4Multidisciplinary Pain Center, Univ. Hosp. Motol, Prague, Czech Republic

PW 425 LONG-TERM FOLLOW UP (LTFU) OF CONTINUOUS INTRATHecal MORPHINE ADMINISTRATION (CIMA) TO TREAT CHRONIC NON-MALIGNANT PAIN (CNMP)
A. Verest1, R. Posthumua1, R. Hofland2, H. Bloem2, 1Pain Clinic, Antonius Hosp., Sneek, Netherlands, 2Internal Med., Antonius Hosp., Sneek, Netherlands

PW 428 A PILOT INVESTIGATION OF POTENTIAL ETHNO-CULTURAL DIFFERENCES IN ANALGESIC RESPONSE TO ACU-TENS (L. Brown1, M. Holmes1, A. Jones2, O. Tashani3, 1The Faculty of Hlth., Leeds Metropolitan Univ., Leeds, United Kingdom, 2The Ctr. for East Meets West in Rehabilitation Sci., Hong Kong Polytechnic Univ., Kowloon, Hong Kong

PW 429 MOXIBUSTION DECREASES IL-6 LEVEL AND INCREASES CD4+CD25+ T CELL (TREG) IN THE COLLAGEN-INDUCED ARTHRITIS
M. Okada1, H. Ikejimoto2, M. Kogure2, N. Koshish2, M. Sunagawa2, S. Ishikawa1, T. Hisamitsu1, Anesthesiology, Showa Univ., Sch. of Med., Tokyo, Japan, 1Physiology, Showa Univ., Sch. of Med., Tokyo, Japan

PW 430 STUDY OF THE ORIGIN IN THE VARIATION OF ANALGESIC EFFECTIVENESS IN ELECTROACUPUNCTURE USING MICROARRAY METHOD IN RATS
S. Hisamitsu, S. Guo1, Y. Gao1, A. Yoshida1, M. Murai2, 1Physiology, Showa Univ., Tokyo, Japan, 2Kurateka Sch. of Oriental Med., Tokyo Therapeutic Inst., Tokyo, Japan

PW 431 ELIMINATION OF REACTIVE OXYGEN SPECIES BY ELECTROACUPUNCTURE MAY RELIEVE PAIN THROUGH IMPROVEMENT OF BLOOD FLUIDITY
S. Ishikawa, T. Kubo, M. Sunagawa, M. Okada, N. Hisamitsu, T. Hisamitsu, Physiology Sch. of Med., Showa Univ., Tokyo, Japan

PW 432 AURICULAR ELECTROACUPUNCTURE REDUCES POSTOPERATIVE PAIN AFTER TOTAL KNEE ARTHROPLASTY (TKA) SURGERY: A PILOT STUDY
S. Pramhas, M. C. Butea-Bocu, P. Pühlhorn, A. Michalek-Sauberer, S. Sato-Katsenshagger, Anesthesiology and Intensive Care Med. (B.), Med. Univ. Vienna, Vienna, Austria

PW 433 ALEXITHYMIA IS RELATED TO PAIN INTERFERENCE WITH SLEEP AND RELATIONS TO OTHERS, INDEPENDENT OF DEPRESSION, CATASTROPHIZING AND PAIN INTENSITY IN CHRONIC PAIN
S. Funakoshi1, T. Arimura1, T. Otaba2, M. Shibata1, R. Iwaki3, K. Yamashiro4, N. Sudo1, C. Kubo1, M. Hoso1, Dept.of Psychosomatic Med., Graduated Sch. of Med. Sci., Kyushu Univ., Fukuoka, Japan, 2Dept.of Psychosomatic Med., Kyushu Univ. Hosp., Fukuoka, Japan

PW 434 ALEXITHYMIA AND SOMATIZATION IN JAPANESE PATIENTS WITH SEVERE CHRONIC PAIN DISORDER

PW 435 NON-PIAGOINT PAIN PURSUIT INHIBITS ATTENTIONAL BIAS TO PAIN

PW 436 THE INFLUENCE OF EXPOSURE, ESCAPE AND AVOIDANCE BEHAVIOR ON THE THREAT VALUE OF PAIN
S. Volders1, S. De Peuter1, K. Van den Broeck1, D. Vansteenwegen1, J. W. Vlaeyen2, 1Psychology, Univ. of Leuven, Leuven, Belgium, 2Psychology, Maastricht Univ., Maastricht, Netherlands

PW 437 THE INFLUENCE OF PAIN AND PSYCHOLOGICAL FACTORS ON THE PERSISTENCE OF PAIN BEHAVIORS IN PATIENTS WITH CHRONIC BACK PAIN
M. O. Martel, P. Thibault, M. J. Sullivan, Psychology, McGill Univ., Montreal, QC, Canada

PW 438 COGNITIVE TREATMENT OF ILLNESS PERCEPTIONS IN CHRONIC LOW BACK PAIN: SHORT TERM OUTCOMES OF A RANDOMIZED CONTROLLED TRIAL
P. C. Siemonsma1, I. Stuive1, J.A. Vellekregt1, G. J. Lankhorst2, D. L. Roorda2, A. T. Leltinga3, 1Rehabilitation and Psychology, Jan van Breemen Instituut, Amsterdam, Netherlands, 2Ctr. for Rehabilitation, Univ. Med. Ctr. Groningen, Groningen, Netherlands, 3Dept.of Rehabilitation Med., VU Univ. Med. Ctr., Amsterdam, Netherlands

PW 439 CONTEXT MODULATES NOCICEPTIVE HABITUATION
R. Rodriguez-Raecke1, B. Doganci1, M. Breimhorst2, F. Berkien1, C. Büchel1, A. May2, 1Dept. of Systems Neurosci., Univ. Med. Ctr. Hamburg Eppendorf, Hamburg, Germany, 2Dept. of Neurology, Univ. Med. Ctr. of the Johannes Gutenberg-Univ. Mainz, Mainz, Germany

PW 440 AN ILLNESS PERCEPTION INTERVENTION FOR PEOPLE WITH CHRONIC LOW BACK PAIN: EVALUATION OF TREATMENT INTEGRITY
S. Webster1, P. C. Siemonsma1, C. D. Schroder2, L. van Oort3, J. Tuinenga1, A. T. Lettinga4, 1Rehabilitation and Psychology, Jan van Breemen Instituut, Amsterdam, Netherlands, 2Internal Med., Univ. Hosp. Maastricht, Maastricht, Netherlands, 3Reserch Group, Interdepartmental Pain Ctr., Milano, Italy

PW 441 BETTER PAIN BELIEFS CLUSTER RELATED TO HIGH SELF-EFFICACY AND LOW FEAR-AVOIDANCE IN CHRONIC LOW BACK PAIN INDIVIDUALS
C. A. Mattos Pimenta, P. E. Braga, M. G. Salvetti, Med.-Surgical Hosp. of Sao Paulo, Sch. of Nursing, Sao Paulo, Brazil
PW 442 THE RELATIONSHIP BETWEEN GOAL PURSUIT, MOOD, PAIN AND DISABILITY: VALIDATION OF A GOAL PURSUIT QUESTIONNAIRE FOR PAIN PATIENTS P. A. Karstorp1, J. W. Vlaeyen1,2, Maastricht Univ., Maastricht, Netherlands, Univ. of Leuven, Leuven, Belgium

PW 443 TASK PERSISTENCE: THE INFLUENCE OF MOOD AND INTERRUPTION BY PAIN K. Helsen1,2, M. Schrooten1,2, P. Karstorp1, J. W. Vlaeyen1,2, Dept. of Psychology, Univ. of Leuven, Leuven, Belgium, Dept. of Psychology, Ghent Univ., Ghent, Belgium, Dept. of Clinical Psychological Sci., Maastricht Univ., Maastricht, Netherlands

PW 444 INHIBITORY ACTION OF HERBAL MEDICINE “DAIKENCHUTO” TO THE CONSTIPATION INDUCED BY MORPHINE IN RATS M. Sunagawa1, S. Ishikawa1, K. Oka1, M. Okada1, K. Yasumoto2, T. Fisamitsu2, Dept. of Physiology, Sch. of Med., Showa Univ., Tokyo, Japan, Dept. of Anesthesiology, Sch. of Med., Showa Univ., Tokyo, Japan

PW 445 APPLICATION OF SOUND RESONANCE TECHNOLOGY THERAPY FOR THE TREATMENT OF FIBROMYALGIA J. Demers, Psycho Physio Clinic, Valcourt, QC, Canada

PW 446 DO CHILDREN’S REPORT OF CHRONIC PAIN LEVELS OR COPING STRATEGIES DIFFER ACCORDING TO PARENTAL CHRONIC PAIN? M. A. Ueberall1, T. Nolte2, G. H. Mueller-Schwefe3, H. Klotzkowski4, Inst. for Neurological Sci., Algesiology & Pediatrics, Nuernberg, Germany, Interdisciplinary Ctr. for Pain and Palliative Care, Wiesbaden, Germany

PW 447 THE IMPACT OF INTERNET-BASED INTERVENTIONS ON LOW BACK PAIN: META-ANALYSIS OF RANDOMIZED CONTROLLED TRIALS D. Souzdaalitsa6, I. R. Lerman7, Anesthesiology, Yale New Haven Hosp., New Haven, CT, USA, Neurology, Yale New Haven Hosp., New Haven, CT, USA

PW 448 PSYCHOSOCIAL ASPECTS OF PATIENTS WITH CHRONIC PAIN IN AN BRAZILIAN INTERDISCIPLINARY PAIN CENTER C. Samueliani1, A. Loducar1, T. Y. Lin1, B. Muller1, M. Giglio2, C. Tacá1, R. Palcia1, A. Wurzbau1, M. J. Teixeira1, Pain Ctr., Hosp. das Clínicas, Univ. of São Paulo Sch. of Med., São Paulo, Brazil, Psychology, Univ. of Humanities and of the Hth., Pontificia Univ. Catolica de São Paulo, São Paulo, Brazil, Pain Ctr., Hosp. of the Clinics, Univ. of São Paulo Sch. of Med., São Paulo, Brazil

PW 449 ADJUSTMENT TO CHRONIC PAIN AND VULNERABILITY PSYCHOLOGICAL VARIABLES R. Esteve, C. Ramirez-Maestro, A. Lopez-Martinez, A. Masedo, L. Camacho, Psychology, Univ. of Málaga, Málaga, Spain

PW 450 A STUDY OF BODY ESTEEM AND MENTAL HEALTH OF SPINAL CORD INJURY PATIENTS AND ABLE BODIED PEOPLE M. G. Husain, P. Chawla, A. Sachdev, Psychology, Jamia Millia Islamia (A Central Univ.), New Delhi, India

PW 451 AVOIDANCE, PACING AND PERSISTENCE BEHAVIOR IN MUSCULOSKELETAL PAIN: HELP OR HINDRANCE? S. M. Ranson1, P. A. Karstorp1, J. W. Vlaeyen1,2, Maastricht Univ., Maastricht, Netherlands, Univ. of Leuven, Leuven, Belgium

PW 452 A BEHAVIOURAL AND ELECTROPHYSIOLOGICAL STUDY OF DISTRACTION AND ATTENTION TO A PAINFUL LASER STIMULUS IN FIBROMYALGIA, ARTHRITIS AND HEALTHY VOLUNTEERS A. Watson, A. Power, A. Lenton, W. El-Deredy, S. Morais, A. Jones, Human Pain Res. Group, Univ. of Manchester, Manchester, United Kingdom

PW 453 INTERCEPTIVE CONDITIONING OF PAIN-RELATED FEAR: AN EXPERIMENTAL INVESTIGATION S. De Peuter1, I. Van Deest1, D. Vansteenevliet1, J. W. Vlaeyen1,2, Dept. of Psychology, Univ. of Leuven, Leuven, Belgium, Dept. of Clinical Psychological Sci., Maastricht Univ., Maastricht, Netherlands

PW 454 DECISION MAKING IN COMPLEX PAINFUL REGIONAL SYNDROME (CRPS): INTEREST OF COUPLING BONE CTSCAN AND KETAMINE M. M. Soel2,3, J. J. Beatrix1, M. M. Giboutel1, E. E. Houy1, N. N. Zrek1, A. A. Khodja1, J. J. Le Borgne1, Pain, Hosp., Nemours, France, Paris XII Univ., Creteil, France, Anesthesie, Hosp., Laon, France

PW 455 IVR: MEDICAL RESULTS OF AN INTEGRATED HEALTH CARE CONCEPT FOR (LOW) BACK PAIN PATIENTS G. H. Mueller-Schwefe1, H. Klotzkowski2, M. A. Ueberall1, T. Nolte2, Interdisciplinary Ctr. for Pain and Palliative Care, Goepiegen, Germany, Integrated Managed Care GmbH, Oberursel, Germany, Inst. for Neurological Sci., Algesiology & Pediatrics, Nuernberg, Germany, Interdisciplinary Ctr. for Pain and Palliative Care, Wiesbaden, Germany

PW 456 IVR: ECONOMIC RESULTS AND PERSPECTIVES OF AN INTEGRATED HEALTH CARE CONCEPT FOR (LOW) BACK PAIN PATIENTS M. A. Ueberall1, T. Nolte2, G. H. Mueller-Schwefe3, H. Klotzkowski4, Inst. for Neurological Sci., Algesiology & Pediatrics, Nuernberg, Germany, Interdisciplinary Ctr. for Pain and Palliative Care, Wiesbaden, Germany, Interdisciplinary Ctr. for Pain and Palliative Care, Goepiegen, Germany, Integrated Managed Care GmbH, Oberursel, Germany

PW 457 IVR: A SECOND OPINION PROGRAM FOR BACK PAIN-RELATED SURGICAL INTERVENTIONS H. Klotzkowski1, M. A. Ueberall2, T. Nolte3, G. H. Mueller-Schwefe4, Integrated Managed Care GmbH, Oberursel, Germany, Inst. for Neurological Sci., Algesiology & Pediatrics, Nuernberg, Germany, Interdisciplinary Ctr. for Pain and Palliative Care, Wiesbaden, Germany, Interdisciplinary Ctr. for Pain and Palliative Care, Goepiegen, Germany

PW 458 INTERDISCIPLINARY TREATMENT IN AN ARGENTINE PAIN CENTER P. Salvat1, J. H. Fueyredon, Neurology Pain Ctr., FLENI, Buenos Aires, Argentina


PW 461 PAIN IN PALLIATIVE CARE PATIENTS. INCIDENCE, INTENSITY, FACTORS AND OUTCOME G. U. Lindena1, L. Radbruch2, F. Nauck3, CLARA Clinical Res., Kleinmachnow, Germany, Clinic for Palliative Med., Univ. of Aachen, Aachen, Germany, Clinic for Palliative Med., Univ. of Goettingen, Goettingen, Germany

PW 462 PALLIATIVE SEDATION, INCIDENCE AND CONTRIBUTING FACTORS C. Mueller-Busch1, G. U. Lindena2,3, Univ. of Witten Herdecke, Berlin, Germany, CLARA Clinical Res., Kleinmachnow/Berlin, Germany, HOPE Coordination Group, Berlin, Germany

PW 463 TELEMEDICINE AND ANALGESIC COMPLIANCE S. Fish1, P. A. Spiegel1, J. Carey1, C. Noël1, W. G. Bross1, 1Hth. Ed. for Living with Pain, San Mateo, CA, USA, Div. of Anesthesia, Univ. of Texas Southwestern Med. Ctr., Dallas, TX, USA


PW 465 IS THERE ANY BEST PRACTICE TO TREAT PAIN IN PATIENTS RECEIVING MAINTENANCE METHADONE? D. Chalo, A. Regalado, A. Pimenta, E. Silva, J. Romao, Serviço Anestesiologia, Centro Hosp. do Porto, Porto, Portugal

PW 466 PSYCHIATRIC PREDISPOSITION TO AUTONOMIC AND ABNORMAL PERCEPTION SIDE EFFECTS OF ZICONOTIDE: A CASE SERIES STUDY A. Ciaramella, P. Poli, Dept. of Oncology, Pain Therapy Unit Santa Chiara Hosp. Pisa, Pisa, Italy

PW 467 PATIENTS’ PREFERENCES DO NOT PREDICT RESPONSE TO FIRST-LINE CARE OR EXERCISE FOR THE TREATMENT OF ACUTE LOW BACK PAIN L. A. Machado1,2, C. G. Maher1, R. O. Herbert1, R. J. Smets1, H. H. McAuley2, 1Escola de Educação Fisica, Fisioterapia e Terapia Ocupacional, Univ. Federal de Minas Gerais, Belo Horizonte, Brazil, Musculoskeletal Div., Southwestern Med. Ctr., Dallas, TX, USA, 2Interdisciplinary Ctr. for Pain and Palliative Care, Goepiegen, Germany, Integrated Managed Care GmbH, Oberursel, Germany, Interdisciplinary Ctr. for Pain and Palliative Care, Wiesbaden, Germany
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<td>07:00-18:00</td>
<td>Registration Open</td>
<td>Viger Hall</td>
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<td>08:15-17:30</td>
<td>Commercial Exhibits Open/Poster Viewing</td>
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<td>08:15-09:30</td>
<td>Plenary Session</td>
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<td>PL 09</td>
<td>From Transduction to Sensation – Defining Genes and Circuits, John N. Wood</td>
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<td>Patrick Wall Young Investigator Award for Basic Science</td>
<td>Rohini D. Kuner</td>
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<td>PL 10</td>
<td>Cognitive-Behavioral Therapy, Stephen J. Morley</td>
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<td>09:30-10:30</td>
<td>Poster Discussions (Even-Numbered Posters)</td>
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<td>10:15-10:45</td>
<td>Morning Break</td>
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<td>10:45-12:15</td>
<td>Topical Symposia and Workshops</td>
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<td>TS 54</td>
<td>Spreading of Visceral Pain and Related Sensitization: Basic and Clinical Aspects</td>
<td>Room 510</td>
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<td>L. Arendt-Nielsen, G. Gebhart, M. Giamberardino</td>
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<td>TW 55</td>
<td>Average Pain Patients Do Not Benefit from Average Pain Improvements: Methods to Translate Clinical Trial Results into Expected Patient Benefits</td>
<td>Room 511</td>
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<td>A. Gammaitoni, R. Moore, P. Pelosi, B. Rappaport</td>
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<td>TS 56</td>
<td>Spinal GABA: A Target for Non-Sedating Analgesics</td>
<td>Room 513</td>
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<td>C. Goodchild, L. Jasmin, H. Zeilhofer</td>
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<td>TW 57</td>
<td>Future Directions and Needs for Pain Education and Clinical Management Training in Developing Countries</td>
<td>Room 514</td>
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<td>M. Bond, P. Chaudakshetrin, G. Finley, M. Rajagopal</td>
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<td>TS 58</td>
<td>Experimental Approaches to the Understanding of Pediatric Pain and Their Clinical Implications</td>
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<td>L. Goubert, C. Hermann, L. Walker</td>
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<td>TW 59</td>
<td>Exposure-Based Interventions for Persisting Pain: Concepts and Applications</td>
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<td>J. de Jong, S. Linton, M. Nicholas</td>
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<td>TS 60</td>
<td>Risk Stratification and Monitoring of Opioid Therapy in Chronic Pain</td>
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<td>J. Ballantyne, M. Cheatle, L. Webster</td>
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<td>TW 61</td>
<td>How to Get Published in Pain</td>
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<td>A. Basbaum, K. Davis, J. Mogil, M. Rowbotham</td>
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<td>TW 62</td>
<td>Glial Modulating Targets for The Treatment of Pain</td>
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<td>M. Costigan, E. Norsted, E. Romero-Sandoval</td>
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<td>TS 63</td>
<td>Human Pain Models for Drug Discovery</td>
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<td>D. Bennett, M. Field, M. Schmelz, M. Segerdahl</td>
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### 12:15-13:45  
**LUNCH BREAK**  
(Food available for purchase in Hall 220, 7th Level Cafeteria, Palais concourse, local hotels & restaurants)

### 13:45-14:45  
**PLENARY SESSION**  
*Hall 517*

- **PL 11**  
  The War on Cancer Pain: New Battles, *Judith A. Paice*  
  Award for Excellence in Developing Countries: Clinical Science  
  *M.R. Rajagopal*

- **PL 12**  
  Imaging of Clinical Pain, *A. Vania Apkarian*

### 14:45-15:45  
**POSTER DISCUSSIONS (ODD-NUMBERED POSTERS)**  
*Hall 220*

### 15:30-16:00  
**AFTERNOON BREAK**  
*Hall 220*

### 16:00-17:30  
**TOPICAL SYMPOSIA AND WORKSHOPS**  
*Hall 220*

| TW 64 | TOWARD A NEW NOMENCLATURE FOR CLINICAL PAIN PROBLEMS  
M. Cohen, M. Koltzenburg, J. Loeser | Room 510 |
|------|------------------------------------------------------|----------|
| TS 65 | MECHANISMS AND NOVEL THERAPIES OF NON-SPECIFIC LOW BACK PAIN: BASIC AND CLINICAL STUDIES  
S. Mense, T. Taguchi, M. van Tulder | Room 511 |
| TW 66 | PERIPHERAL AND CENTRAL MECHANISMS OF ITCH AND PAIN  
R. Baron, Z. Chen, G. Giesler | Room 513 ABCD |
| TW 67 | DISCHARGES AND EVOCKED POTENTIALS: HOW DO THEY RELATE TO NOCICEPTION AND PAIN?  
U. Baumgärtner, F. Lenz, J. Serra | Room 514 |
| TS 68 | IS PALLIATIVE SEDATION A GOOD OPTION FOR INTRACTABLE PAIN? THERAPEUTIC AND ETHICAL ASPECTS  
J. Cleary, H. Müller-Busch, R. Payne | Room 518 |
| TS 69 | EMERGING ROLE OF REGULATION OF PROTEIN SYNTHESIS IN PAIN AND HYPERALGESIA  
S. Geranton, T. Price, C. Svensson | Room 519 |
| TW 70 | PAIN IN WOMEN  
M. Farmer, J. Hughes, F. Tu, K. Vincent | Room 520 |
| TS 71 | EXPLORING THE POWER OF ILLUSIONS AND IMAGINATION TO ACHIEVE LASTING REDUCTIONS IN PAIN  
Borsook, H. Ehrsson, L. Moseley | Room 524 |
| TW 72 | WHAT IN THE BRAIN TELLS YOU THAT YOU'RE IN PAIN? LOOKING BEHIND THE PAIN MATRIX  
L. García-Larrea, J. Greenspan, G. Iannetti | Room 710 A |
| TW 73 | PREDICTING THE PERSISTENCE OF PAIN FOLLOWING SERIOUS INJURY  
A. Holmes, D. Tripp, O. Williamson | Room 710 B |
Thursday Poster Session

All posters are displayed in Hall 220 between 08:15 and 17:30. Even-numbered posters will present between 09:30 and 10:30. Odd-numbered posters will present between 14:45 and 15:45.

PH 001 NOVEL APPROACHES TO REDUCE RISK WITH OPIOID THERAPY IN POSTOPERATIVE PAIN P. Cox, J. B. Mitchell, E. Allibone, 1Pain Management, Royal Brompton & Harrowfield NHS Fndn. Trust, Harrowfield, Middx, United Kingdom, 2Anesthesia & Critical Care, Risk Management, Royal Brompton & Harrowfield NHS Fndn. Trust, Harrowfield, Middx, United Kingdom, 3Nurse Ed., Royal Brompton & Harrowfield NHS Fndn. Trust, Harrowfield, Middx, United Kingdom

PH 002 LEVEL OF PAIN, NARCOTIC CONSUMPTION AND PREVALENCE OF SIDE EFFECTS AFTER CARDIAC SURGERY Z. Yegn, M. Ouimette, A. Deschamps, A. Rochon, P. Couture, J. Lebor, C. Ayoub, A. Denault, B. Qizilbash, J. Cogan, 1Nursing, Montreàl Heart Inst., Montréal, QC, Canada, 2Anesthesia, Montréal Heart Inst., Montréal, QC, Canada

PH 003 “PAIN COMPETENCE LICENCE” INCREASING PATIENT SAFETY IN ADVANCED POSTOPERATIVE PAIN TREATMENT? M. Lönsted, P. Lothman, G. Brodala Jansen, Dept. of Pain Management, Capio St Gorans Hosp., Stockholm, Sweden

PH 004 ALGOPLUS® SCALE’S CLINICAL APPROPRIATENESS: DOES IT REQUIRE A SPECIFIC TRAINING BEFORE USING? P. Rat, E. Jouve, M. Michel, S. El Aouadi, L. Brun, S. Commission professionnelle des soins infirmiers, S. Bonin-Guillaume, C. Collectif Doloplus, 1Geriatric Dept., Assistance Publique des Hôpitaux de Marseille, Marseille, France, 2Medicine interne, hopital Nord, Marseille, France, 3Unité de Pharmacoéologie Clinique et d’Évaluations Thérapeutiques, Antenne CIC Timone, Assistance Publique des Hôpitaux de Marseille, Marseille, France, 4Service de Médecine des Personnes Âgées, CH Rennes, Rennes, France, 5Service d’accueil des urgences, CH-Béziers, Beziers, France, 6Unité et évaluation de la douleur C H de Nounéa, Nounéa, France, SFETD, Pain-Ctr Dr Serrie, CHU Lariboisière, Paris, Paris, France, 7Service d’anesthésie réanimation, hopital Sud, Assistance Publique des Hôpitaux de Marseille, Marseille, France, 8Ctr. de Soins Palliatifs, CHR Metz-Thionville, Thionville, France

PH 005 PREDICTORS OF PAIN BEHAVIORS IN ELDERS WITH KNEE AND/OR HIP OSTEOARTHRITIS P. Tafl, Y. Kuo, C. Beck, 1Univ. of Arkansas for Med. Sci., Little Rock, AR, USA, 2Univ. of Texas Med. Branch, Galveston, TX, USA

PH 006 DECISION MAKING TO USE SELF- OR EXTERNAL PAIN ASSESSMENT F. G. Sirsch, M. Halek, S. Bartholomeyczik, Standort Witten, DZNE, Witten, Germany

PH 007 SELF-REPORTED VERSUS OBSERVED DISABILITY IN TURTURE VICTIMS WITH CHRONIC PAIN USING THE DISABILITY RATING INDEX A. L. Persson, K. Prip, 1Res. Dept, Rehabilitation and Res. Ctr. for Torture Victims, Copenhagen, Denmark, 2Faculty of Hlth. Sci., Univ. of Southern Denmark, Odense, Denmark

PH 008 COMPLEX REGIONAL PAIN SYNDROME DISTORTS EYE-HAND COORDINATION IN THE AFFECTED HAND M. Sumitani, S. Miyauchi, H. Arita, K. Hanaoka, 1Pain Management, Royal Brompton & Harrowfield NHS Fndn. Trust, Harrowfield, Middx, United Kingdom, 2Kobe Advanced Medical Ctr., Kobe, Japan, 3Dept. of Anesthesia, Osaka Univ., Graduate Sch. of Med., Osaka, Japan, 4Dept. of Pain Med., Osaka Univ., Graduate Sch. of Med., Osaka, Japan

PH 009 LOW SELF-EFFICACY, HIGH FEAR-AVOIDANCE BELIEFS, SEVERE PAIN INTENSITY AND BEING OUT OF WORK ARE DISABILITY PREDICTORS IN CHRONIC LOW BACK PAIN M. G. Salvetti, P. E. Braga, C. F. Correa, C. A. Mattos Pimentan, 1Univ. of Sao Paulo Sch. of Nursing, Sao Paulo, Brazil, 2Univ. of Sao Paulo Sch. of Nursing, Sao Paulo, Brazil, 3Pain Ctr. and Functional Neurology, Hosp. de Julho, Sao Paulo, Brazil, 4Med. Surgical Dept., Univ. of Sao Paulo Sch. of Nursing, Sao Paulo, Brazil


PH 014 ASSESSING PAIN AND FUNCTION IN PATIENTS WITH LOW BACK PAIN: MEASURE RESPONSIVENESS J. Cielrand, R. Gillian, E. Bienier, A. Sadowski, 1Franklin Pierce Univ., Concord, NH, USA, 2Outcomes Res. Consultant, New Haven, CT, USA, 3Outcomes Res. Consultant, New York City, NY, USA, 4Pfizer, Inc. New York City, NY, USA

PH 015 CURRENT PERCEPTION THRESHOLD AS A QUANTITATIVE SENSORY TOOL (QST) FOR MONITORING OF FEMORAL NERVE BLOCKADE IN PATIENTS UNDERGOING KNEE SURGERY P. Gaudreault, P. Drolet, L. Fortier, I. Tanoubi, F. Donati, M. Fallaha, 1Pain Management, Royal Brompton & Harefield NHS Fndn. Trust, Harefield, Middlesex, UK, 2Malmo Univ. and Malmo Univ. Hosp., Malmo, Sweden, 3Chirurgie, Hôpital Maisonneuve-Rosemont, Montréal, QC, Canada, 4Chirurgie, Hôpital Maisonneuve-Rosemont, Montréal, QC, Canada


PH 018 ASSESSMENT OF PAIN AND ACTIVITY USING AN ACTIGRAPHY DEVICE IN A RANDOMISED PLACEBO-CONTROLLED CROSSOVER TRIAL OF CELECOXIB IN OSTEOARTHRITIS OF THE KNEE N. P. Katz, D. Ng, K. Tan, R. Van Irwegen, J. Trudeau, T. Eaton, 1Analogic Solutions, Natick, MA, USA, 2Pfizer Pharma Therapeutics R&D, Sandwich, United Kingdom


PH 022 EVALUATING PAIN AS THE 5TH SIGN W. P. Mateus1, C. Laselva1, F. P. Minson1, C. B. Ledo2, Clinica Médica Cíurigú, Hosp. Israelita Albert Einstein, São Paulo, Brazil, 2Pain Program Coordinator, Hosp. Israelita Albert Einstein, São Paulo, Brazil, 3Hosp. Israelita Albert Einstein, São Paulo, Brazil

PH 023 NEUROPATHIC PAIN SCALE FOR CHILDREN AND ADOLESCENTS, VALIDATION STUDY M. Flores1, A. A. Valenzuela1, P. P. Reyes1, 1Pain Clinic and Palliative Care, Hosp. Gen. de Mexico OD, Mexico DF, Mexico, 2Pain Management, Lariboisière Hosp., Paris, France, 3Pain, Hosp. Nemours, France, 4Hosp. Lariboisière, Paris, France

PH 024 FINDING PHYSIOLOGICAL BIOMARKERS FOR PAIN USING MEDICAL DATABASES D. Ruan1,2, P. Sinnot1, A. J. Buttle3, D. J. Clark4, M. S. Angst5, 1Dept. Pediatric/Cancer Biology, Stanford Sch. of Med., Stanford, CA, USA, 2VA Med. Ctr., Palo Alto, CA, USA, 3HERC, VA Med. Ctr., Palo Alto, CA, USA, 4Dept. of Anesthesia, Stanford Sch. of Med., Stanford, CA, USA


PH 027 CANCER PAINS CHANGES OVER TIME IN OUTPATIENTS WITH CANCER S. Nangwam4, D. J. Wilkie5, Biobehavioral Hlth. Sci., Coll. of Nursing, Univ. of Illinois at Chicago, Chicago, IL, USA

PH 028 THREE COMMON TCM DIAGNOSES FOUND IN A FEMALE FIBROMYALGIA SAMPLE S. D. Mist1, C. Wright1, K. D. Jones2, J. W. Carson3, Oregon Hth. & Sci. Univ., Portland, OR, USA


PH 030 EFFICACY AND SIDE EFFECTS OF SPINAL OPIOIDS IN CANCER: A SYSTEMATIC REVIEW P. J. Sprenger1, G. P. Kunta2, S. Kaasa3, 1Section of Acute Pain Management and Palliative Med., RigsHospitallet-Copenhagen Univ. Hosp., Copenhagen, Denmark, 2Section of Acute Pain Management and Palliative Med. and Multidisciplinary Pain Ctr., RigsHospitallet-Copenhagen Univ. Hosp., Copenhagen, Denmark, 3Sch. of Nursing, Univ. of Sao Paulo, Sao Paulo, Brazil, 4Palliative Med. Unit, Univ. Hosp. of Trondheim, Trondheim, Norway

PH 031 A SYSTEMATIC REVIEW OF HYPNOsis IN THE MANAGEMENT OF CHRONIC PAEDIATRIC PAIN, INCLUDING CANCER C. T. peas1, J. Miro1, G. Nogueur1, Unit for the Study and Treatment of Pain, and ALGOS, Dept. of Psychology, Univ. de Rovira i Virgili, Tarragona, Spain

PH 032 REVIEW OF THIRD MOLAR SURGERY AS AN ACUTE PAIN MODEL N. I. Khaow1, T. Renton2, Oral Surgery, King’s Coll. London Dental Inst., London, United Kingdom

PH 033 LONGITUDINAL OUTCOMES OF PATIENTS WITH LOW BACK PAIN TREATED IN A CHRONIC PAIN REHABILITATION PROGRAM J. Scherman1, K. Huffman2, Neurological Ctr. for Pain, Cleveland Clinic, Cleveland, OH, USA

PH 034 HARM AVOIDANCE AND PAIN-RELATED ANXIETY P. Knaster1, A. Eslwinter1, J. Kapron1, E. Kals1, H. Karts1, 1Dept. of Psychiatry, Helsinki Univ. Central Hosp., Helsinki, Finland, 2Pain Clinic Dept. of Anaesthesiology and Intensive Care Med., Helsinki Univ. Central Hosp., Helsinki, Finland, 3Dept. of Publ. Hth., Univ. of Helsinki, Helsinki, Finland

PH 035 DEVELOPMENT OF A NOVEL, WEB-BASED TOOL FOR THE VISUAL ASSESSMENT OF CHRONIC PAIN C. Lalloo1, J. L. Henry2, 1Med. Sci. Program, McMaster Univ., Hamilton, ON, Canada, 2Psychiatry and Behavioural Neurosci., McMaster Univ., Hamilton, ON, Canada

PH 036 MEASURING EXPERIMENTAL PAIN INTENSITY: RELATIVE VALIDITY OF FOUR COMMON MEASURES M. A. Ferreira-Valente1,2, J. L. Pais-Ribeiro3,4, M. J. Jensen5, 1Psychology, Univ. of Porto, Porto, Portugal, 2FCT-Fundoação para a Ciência e a Tecnologia, Lisbon, Portugal, 3Investigation Unit in Psychology and Hth., Lisbon, Portugal, 4Dept. of Rehabilitation Med., Univ. of Washington, Seattle, WA, USA


PH 038 USE OF THE HEMODYNAMIC RESPONSE MEASURED BY NIRS AS A ROBUST BIOMARKER OF PAIN Z. Barati1, P. A. Shewokis2, R. Polikar2, B. Pecchiura1, M. Izzetuglu1, J. Malek1, K. Pourrazaee1, 1Sch. of BioMed. Engineering, Sci., and Hth. Systems, Drexel Univ., Philadelphia, PA, USA, 2Coll. of Nursing and Hth. Professions, Drexel Univ., Philadelphia, PA, USA, 3Electrical and Computer Engineering, Rowan Univ., Glassboro, NJ, USA, 4Neurological Ctr. for Pain, Cleveland Clinic, Cleveland, OH, USA

PH 039 CHRONIC PAIN AFTER LUNG CANCER SURGERY: A NATIONWIDE QUESTIONNAIRE STUDY H. Kehlet1, J. Ravn2, L. Nikolajsen1, E. Jakobsen3, K. Widegreen4, 1Section for Surgical Pathophysiology, RigsHospitallet, Copenhagen, Denmark, 2Dept. of Thoracic Surgery, RigsHospitallet, Copenhagen, Denmark, 3Dept. of Anaesthesiology, Aarhus Univ. Hosp., Aarhus, Denmark, 4Danish Lung Cancer Group, Odense Univ. Hosp., Odense, Denmark, 5Danish Pain Res. Ctr., Aarhus Univ. Hosp., Aarhus, Denmark

PH 040 CHRONIC PAIN AND PSYCHIATRIC COMORBIDITY IN INJURED WORKERS P. E. Rebollo1, C. M. Rebollo2, A. Mujica3, L. Guzmán4, V. Herrera5, R. Acuta6, HTS, Santiago, Chile, 7ACHS, Santiago, Chile


PH 044 A SYSTEMATIC REVIEW OF THE PREVALENCE OF CHRONIC PAIN IN THE GENERAL POPULATION WORLDWIDE WITH PARTICULAR REFERENCE TO DEVELOPING COUNTRIES R. A. Elzahaf1, O. A. Tashani2, B. Unsworth1, M. I. Johnson1, 1Ctr. for Pain Res., Leeds Metropolitan Univ., Leeds, United Kingdom
THURSDAY

PH 090 FIBROMYALGIA AND FUNCTIONAL SYNDROME IN THE ELDERLY POPULATION

PH 091 THERAPEUTIC APPROACH FOR TREATMENT OF FIBROMYALGIA IN TERMS OF MVASYQ

PH 092 LIFTING THE FOG: CORRELATION BETWEEN FM PAIN AND ADHD
P. B. Wood1, A. J. Holman1, T. Schmidt-Wilcke2, 1Pacific Rheumatology Associates, Inc., PS, Renton, WA, USA, 2Angler BioMed Technologies, LLC, Jonestown, TX, USA.

PH 093 A DOUBLE-BLIND, PLACEBO-CONTROLLED EVALUATION OF THE ABRupt DISCONTINUATION OF MILNACIPRAN FOLLOWING TREATMENT OF FIBROMYALGIA P.A. Sax1, L. M. Arnold1, R. M. Gendreau2, A. Spera1, J. Gendreau2, Y. Wang2, 2Arthritis Association of South Florida, Delray Beach, FL, USA, 1Univ. of Cincinnati, Cincinnati, OH, USA, 2Cypress BioSci., Inc., San Diego, CA, USA, 3Forest Res. Inst., Jersey City, NJ, USA

PH 094 WEEKLY RESPONSE TO NXG-4010, AN 8% CAPSAICIN PATCH, IN PATIENTS WITH POST-HERPETIC NEURALGIA: RESULTS OF INTEGRATED ANALYSES
L. R. Webster1, G. Irving2, M. Backonja1, A. Tobias1, 1Clinical Development, NeurogesX, Inc., San Mateo, CA, USA, 2Dept. of Anesthesiology, Univ. of California, San Diego, La Jolla, CA, USA, 3Neurology, Natl. Taiwan Univ., Coll. of Med. and Univ. Hosp., Taipei, Taiwan

PH 095 PAIN, HYPERALGESIA AND NEUROPATHY IN POSTHERPETIC NEURALGIA

PH 096 CHEMOTHERAPY-INDUCED PERIPHERAL NEUROPATHY AND NEUROPATHIC PAIN IN LUNG CANCER PATIENTS IN TAIWAN
Y. Lin1, T. Tsai2, S. Hsieh3, 1Dept. of Nursing, Coll. of Med., Natl. Taiwan Univ., Taipei, Taiwan, 2Dept. of Hth., Taipei City Government, Taipei, Taiwan, 3Dept. of Neurology, Natl. Taiwan Univ., Coll. of Med. and Univ. Hosp., Taipei, Taiwan

PH 097 NGX-4010, AN 8% CAPSAICIN PATCH FOR THE TREATMENT OF POST-HERPETIC NEURALGIA (PHN), PROVIDES CONSISTENT EFFICACY ACROSS A RANGE OF PATIENT POPULATIONS
M. Backonja1, G. Irving1, L. R. Webster1, J. Tobias1, G. F. Vanhove2, 1Dept. of Neurology, Univ. of Wisconsin, Madison, WI, USA, 2Swedish Pain and Headache Ctr., Univ. of Washington Med. Sch., Seattle, Seattle, WA, USA, 3Pulvex, Inc., 4Clinical Development, NeurogesX, Inc., San Mateo, CA, USA

PH 098 SOME PREDICTIVE FACTORS OF EFFECTIVENESS OF LIDOCAINE PATCH IN POST-HERPETIC NEURALGIA
L. Demartini, C. Bonezzi, M. Buonocore, E. Stocco, L. Paulim, M. Barbien, Pain Management Unit, Fondazione Salvatore Maugeri, Pavia, Italy

PH 099 NEUROPATHIC PAIN BEFORE SURGERY: PAIN PREVALENCE & FEATURES IN PATIENTS WITH NEWLY DIAGNOSED PRIMARY BREAST CANCER
A. J. Thornton1, J. Bruce2, S. J. Marfizo2, S. D. Heys2, A. M. Thompson2, 1Anesthesiology Group, Univ. of Aberdeen, Aberdeen, United Kingdom, 2Comprehensive Care Consultants, Los Angeles, CA, USA, 3University of California, Los Angeles

PH 100 THE CONTRIBUTION OF MEDIAn NERVE SMALL AND LARGE FIBERS TO SENSORY SYMPTOMS IN CARPAL TUNNEL SYNDROME: A QUANTITATIVE SENSORY THRESHOLD STUDY
S. Tamburini1, C. Cacciatori1, M. Pralli2, C. Cazzarollo2, 1Clin. Development, NeurogesX, Inc., San Mateo, CA, USA, 2Dept. of Neurological and Visual Sci., Univ. of Verona, Verona, Italy, 3Section of Neurology, Hosp. Pederzoli, Peschiera del Garda, Verona, Italy

PH 101 INTEGRATED SAFETY ANALYSES OF NXG-4010, AN 8% CAPSAICIN PATCH, IN PATIENTS WITH PERIPHERAL NEUROPATHIC PAIN
G. F. Vanhove1, M. Wallace1, G. Irving1, M. Backonja1, L. R. Webster1, J. K. Tobias1, 1Clinical Development, NeurogesX, San Mateo, CA, USA, 2Dept. of Anesthesiology, Univ. of California, San Diego, La Jolla, CA, USA, 3Swedish Pain and Headache Ctr., Univ. of Washington Med. Sch., Seattle, Seattle, WA, USA, 4Clinical Development, NeurogesX, Inc., 5Swedish Pain and Headache Ctr., Univ. of Washington Med. Sch., Seattle, Seattle, WA, USA

PH 102 THE INFLUENCE OF SYMPTOM PREVALENCE IN A BRAZILIAN PEDIATRIC POPULATION ON THE FAMILY HISTORY OF CHRONIC ABDOMINAL PAIN
S. M. Hatem1, N. Attal2, M. Gautron2, D. Ducreux2, F. Parker3, L. Pliaghi2, D. Bouhassira2, 1Univ. catholique de Louvain, Brussels, Belgium, 3INSERM U-987, Boulogne-Billancourt, France, 2CHU Bicêtre, Le Kremlin-Bicêtre, France

PH 103 PRIOR LOCAL PAIN EXPERIENCES IN WOMEN UNDERGOING BREAST CANCER SURGERY: THE ORBIT (OPTIMISING RECOVERY FROM BREAST CANCER TREATMENT) PILOT STUDY
F. M. Blyth1, F. M. Boyle2, K. Watts3, M. Cousins3, 1Univ. of Sydney Pain Management Res. Inst., Sydney, Australia, 2Royal North Shore Hosp., Sydney, Australia, 3Patricia Ritchie Ctr. for Cancer Care, The Mater Hosp., Sydney, Australia

PH 104 MECHANISMS OF NEUROPATHIC PAIN: A MULTIMODAL APPROACH COMBINING EVENT-RELATED POTENTIALS, PSYCHOPHYSICS AND SPINAL DIFFUSION TENSOR IMAGING
S. Sanches1, E. C. Ribeiro1, A. S. Guimarães1, 1Ambulatorio de DTM e dor orofacial, UNIFESP, Sao Paulo, Brazil, 2Dentistry, UNISANTÀ, Santos, Brazil

PH 105 ABNORMAL EXPRESSION OF VOLTAGE-GATED SODIUM CHANNELS Na.1, 1.3 AND Na.1.8 IN TRIGEMINAL NEURALGIA
S. D. Siqueira1, B. Alves1, H. G. Maia-laranjinha1, M. J. Teixeira1, J. T. Siqueira1, 1Univ. of Sao Paulo, Sao Paulo, Brazil, 2Neurology Dept., Interdisciplinary Pain Ctr., Med. Sch., Univ. of Sao Paulo, Sao Paulo, Brazil, 3Orfacial Pain Group, Hosp. das Clínicas, Med. Sch., Univ. of Sao Paulo, Sao Paulo, Brazil

PH 106 INCIDENCE AND LOCATION OF REFERRED PAIN IN PATIENTS WITH TEMPOROMANDIBULAR DISORDER
M. L. Sanchez1, E. C. Ribeiro1, A. S. Guimarães1, 1Ambulatorio de DTM e dor orofacial, UNIFESP, Sao Paulo, Brazil, 2Dentistry, UNISANTÀ, Santos, Brazil

PH 107 SENSORY AND PAIN PERCEPTION IN PATIENTS WITH MYOFASCIAL PAIN OF THE JAW MUSCLES: A PILOT STUDY
J. Okavaysi, K. O., A. De Laat1, 1Catholic Univ. of Leuven, Leuven, Belgium, 2Nagasaki Univ., Nagasaki, Japan

PH 108 AN ASSESSMENT OF POSTOPERATIVE PAIN IN PATIENTS UNDERGOING TONSILLECTOMY
J. Chaturvedi, R. C. Nayar, Otorhinolaryngology, St Johns Med. Coll. and Hosp., Bangalore, India

PH 109 DOES CHRONIC POST-ISCHAEMIC PAIN EXIST IN HUMANS?
M. G. Swindells1, P. Buckzwolk2, A. Searle2, R. Falerio2, J. Williams3, F. D. Burke1, 1Pulvertaft Hand Ctr., Royal Derby Hosp., Derby, United Kingdom, 2Dept. of Anaesthesia & Pain Med., Royal Derby Hosp., Derby, United Kingdom

PH 110 DIAPHRAGM DYNAMICS DURING RESPIRATORY AND POSTURAL ACTIVITIES IN PATIENTS WITH CHRONIC LOW BACK PAIN
P. Kolář2, A. V. Bokářová2, M. Kynč1, J. Sulc1, A. Kobesová1, 1Dept. of Rehabilitation and Sports Med., Second Med. Faculty, Charles Univ. and Univ. Hosp. Motol, Prague, Czech Republic, 2Comprehensive Care Consultants, Los Angeles, CA, USA, 3Dept. of Imaging Methods, Second Med. Faculty, Charles Univ. and Univ. Hosp. Motol, Prague, Czech Republic

PH 111 DO PEERS AND TEACHERS REACT THE SAME WITH CHRONIC PAIN AND HEALTHY CHILDREN?
E. Castarlenas1, E. Solé1, A. Huegues2, J. Miró2, 1Unit for the Study of Treatment and Pain, and ALGOS, Dept. of Psychology, Rovira i Virgili Univ., Tarragona, Spain, 2IKH Hlth. Ctr. and Dalhousie Univ., Halifax, NS, Canada

PH 112 CHILDREN WITH COMPLEX REGIONAL PAIN SYNDROME
TYPE 1: COLD PAIN SENSITIVITY RELATIVE TO PAIN DURATION

PH 113 FAMILY STRESS AND PASSIVE COPING PREDICT LONG-TERM HEALTH OUTCOMES IN ADOLESCENTS AND YOUNG ADULTS WITH A CHILDHOOD HISTORY OF CHRONIC ABDOMINAL PAIN
G. D. Shelby1, L. S. Walker, Vanderbilt Children’s Hosp., Nashville, TN, USA

PH 114 PREVALENCE OF SYMPTOMS IN A BRAZILIAN PEDIATRIC PALLIATIVE CARE UNIT: PRELIMINARY RESULTS
C. Carrillo, E. F. Sendin, J. T. Siqueira, S. M. Barbosa, Hosp. das Clinicas da Faculdade de Med. da Univ. de São Paulo, São Paulo, Brazil
PH 115 SALIVARY CORTISOL OF MOTHERS AND THEIR INFANTS DURING MATERNAL KANGAROO CARE (MKC) T. C. Castral1, F. F. Warnock1, S. R. Antonini1, M. F. Dare1, L. M. Ribeiro1, A. M. Leite1, C. G. Scochi1, 1Department of Maternal-Infant and Public Health Nursing, Univ. of Sao Paulo at Ribeirao Preto Coll. of Nursing, Ribeirao Preto, Brazil, 2School of Nursing, Univ. of British Columbia, Vancouver, BC, Canada, 3Division of Endocrinology, Faculty of Med. at the Univ. of Sao Paulo at Ribeirao Preto, Ribeirao Preto, Brazil

PH 116 PERCEIVED LONELINESS, BUT NOT OBJECTIVE MARKERS OF SOCIAL ISOLATION, PREDICTS NEW ONSET BACK PAIN IN OLDER ADULTS R. E. Doctor1, C. Fleming2, J. Zhao2, J. Brayer2, F. J. Steinerowski1, G. J. Macfarlane3, G. T. Jones3, 1Institute for Clinical Evaluative Sciences, Toronto, ON, Canada, 2Clinical Research Unit, National Health Service (UK), London, UK, 3Institute for Clinical Evaluative Sciences, Toronto, ON, Canada

PH 117 IMPLEMENTATION OF EVIDENCE-BASED PAIN MANAGEMENT IN RESIDENTIAL AND CARE FACILITIES S. J. Gibson1,2, K. Lodgerwood1, C. Toye1, E. Beattie1, S. Scherer1, R. Goucke2, R. Nay3, 1Clinical Research Unit, National Health Service (UK), London, UK, 2Faculty of Pharmacy, University of Queensland, St Lucia, Australia, 3Clinical Research Unit, University of Aberdeen, Aberdeen, United Kingdom

PH 118 THE ASSOCIATION BETWEEN PHYSICAL AND PSYCHOSOCIAL SYMPTOMS AND HEALTHCARE UTILIZATION IN WOMEN WAITING FOR Gynaecological SURGERY S. Walker, Sch. of Nursing, Queen’s Univ., Kingston, ON, Canada

PH 119 CHANGES IN REGIONAL PAIN SENSITIVITY ACROSS THE MENSTRUAL CYCLE IN WOMEN WITH CHRONIC NECK PAIN J. E. Balter, C. E. Wiseman, K. S. Maluf, Physical Therapy Program, Univ. of Colorado Denver Sch. of Med., Aurora, CO, USA

PH 120 PRE-MENSTRUAL DYSPHORIC DISORDER (PMDD), PAINFUL MENSTRUATION AND NEGATIVE FEELINGS L. Heydarnasab, H. Assar Kashani, Psychology, Shahed Univ., Tehran, Iran, Islamic Republic of Iran

PH 121 SEX DIFFERENCES IN THE ASSOCIATION BETWEEN BASAL HPA ACTIVITY AND RESPONSES TO ACUTE PSYCHOSOCIAL STRESS EXPOSURE IN INDIVIDUALS WITH CHRONIC NECK PAIN B. Shahidi, J. L. Stephenson, J. E. Balter, L. Griffith, K. S. Maluf, Sch. of Med., Physical Therapy Program, Univ. of Colorado Denver, Aurora, CO, USA

PH 122 MENSTRUAL STATUS AND PAIN FOLLOWING BREAST CANCER SURGERY L. Gagliole1, G. Rodin1, A. Easson1, M. Li1, V. Chan2, G. Koren2, 1York Univ. & Univ. Hist. Network, Toronto, ON, Canada, 2Univ. Hist. Network, Toronto, ON, Canada, 3Hosp. for Sick Children & Univ. of Western Ontario, Toronto & London, ON, Canada

PH 123 DEPRESSION AND CATAPHTHIZING CONTRIBUTIONS TO TMJD PAIN PERSISTENCE A. M. Velly1, J. Look2, W. Kang3, P. Lenton1, J. Fricton1, 1Faculty of Dentistry, McGill Univ., Montréal, QC, Canada, 2School of Dentistry, Univesity of Minnesota, Minneapolis, MN, USA

PH 124 THE SOCIALISATION OF STUDENT AND REGISTERED NURSES’ RESPONSES TO POSTOPERATIVE PAIN: A DESCRIPTIVE QUALITATIVE STUDY C. Mackintosh, Sch. of Hist., Univ. of Bradford, Bradford, United Kingdom

PH 125 QUALITY OF VIRTUAL LEARNING OBJECT IN NURSING FOR SIMULATED EVALUATION OF ACUTE PAIN IN ADULTS A. G. Alvarez1,2, G. T. Dal Sasso1,2, 1GIATE (Technology, Information and Informatics in Nursing and Hist.), Federal Univ. of Santa Catarina, Blumenau, Brazil, 2Service of Continuous Ed., Santa Catarina Hospital, Blumenau, Brazil, 3GIATE, Nursing Post Graduation Program of the Federal Univ. of Santa Catarina, Florianópolis, Brazil, 4Brazil in Nursing Informatics Group – IMIA, Florianópolis, Brazil


PH 127 THE UNIVERSITY OF TORONTO INTERFACTORIAL PAIN CURRICULUM SIMULATION TRIAL M. H. McMillan1, J. Watt-Watson2, J. Hunter1, J. Stinson1, F. Campbell1, P. Grad1, A. Cameron1, L. Raman-Wilson1, T. Dao2, L. Lav1, S. O’Keeffe-McCarthy1, L. Cockburn1, 2R. Davies1, C. Shobbrook1, L. Rose1, 1Lawrence S. Bloomberg Faculty of Nursing, Univ. of Toronto, Toronto, ON, Canada, 2Depart. of Physical Therapy, Univ. of Toronto, Toronto, ON, Canada, 3Hosp. for Sick Children, Toronto, ON, Canada, 4Faculty of Pharmacy, Univ. of Toronto, Toronto, ON, Canada, 5Faculty of Dentistry, Univ. of Toronto, Toronto, ON, Canada, 6Faculty of Med., Univ. of Toronto, Toronto, ON, Canada, 7Departartment of Occupational Sci. and Occupational Therapy, Univ. of Toronto, Toronto, ON, Canada

PH 128 IS IT NECESSARY TO DO FACET JOINT BLOCK UNDER CT SCAN? S. Bagchi1, R. Griffiths1, T. Ludgrove2, J. Norman1, K. Fleckney1, 1Pain Management Ctr., Guy’s and St. Thomas’ NHS Fdn. Trust, London, United Kingdom, 2Anaesthesia and Chronic Pain, Maidstone and Tunbridge Wells NHS Trust, Pembury, United Kingdom

PH 129 PROGRAMME ACCORD: DISABILITY AND LOSS OF PRODUCTIVITY IN PRIMARY CARE PATIENTS WITH NON-CANCER CHRONIC PAIN E. Martin1, L. Lalonde1,2, M. Choiniére1,3,4, D. Dion5, S. Perreault6, G. Jouini7,2, S. Marchand8, 1Team Res. in Primary Care, Ctr. de santé et services sociaux de Laval, Laval, QC, Canada, 2Centre de recherche du Ctr. Hospitalier de l’Univ. de Montréal (CRCHUM), Montréal, QC, Canada, 3Medécine familiale, Univ. de Montréal, Montréal, QC, Canada, 4Neurochirurgie, Univ. de Sherbrooke, Sherbrooke, QC, Canada, 5Ctr. de recherche clinique Étienne-Le Bel du Ctr. Hosp. de l’Université de Sherbrooke (CHUS), Sherbrooke, QC, Canada

PH 130 ASSESSMENT AND MANAGEMENT OF CHRONIC NON-CANCER PAIN: AN EVALUATION OF THE KNOWLEDGE, ATTITUDES, AND BELIEFS OF RESIDENTS IN FAMILY MEDICINE AND NOVICE GENERAL MEDICAL PRACTITIONERS IN QUEBEC UNIVERSITIES M. Houde1,2, D. Dion1,2, M. Choiniére1,3,4, 1Dept. of Family Med. and Emergency Med., Univ. de Montréal, Montréal, QC, Canada, 2Ctr. de Recherche du Ctr. Hospitalier de l’Univ. de Montréal (CRCHUM), Montréal, QC, Canada, 3Dept. of Anesthesiology, Univ. de Montréal, Montréal, QC, Canada

PH 131 AN INNOVATIVE VOCATIONAL TRAINING PROGRAM IN PAIN EDUCATION A. Bissonnette1,2, 1Anesthesiology, CHUL-CHUQ Pain Ctr., Quebec, QC, Canada, 2Ctr. Antidouleur, Dept. Anesthésiologie, Ctr. Hosp. de l’Univ. Laval-Ctr. Hosp. de Québec, Québec, QC, Canada


PH 133 RETROSPECTIVE AUDIT OF SICKLE CELL DISEASE PAIN MANAGEMENT PRACTICES IN A PAEDIATRIC HOSPITAL: ARE WE MEETING CURRENT STANDARDS? A. Vjentringa1, J. Stinson1,2, F. Campbell1, R. Valani1, J. Friedman1, J. Kirby-Allen1, J. Odame2, L. Palozzi1,2, R. Cardoso1,2, A. Tadilo1,2, D. Scoilkin1,2, I. Mak1, ‘Child Hth. Eavaluative Sc., The Hosp. for Sick Children, Toronto, ON, Canada, 2Lawrence S. Bloomberg Faculty of Nursing, Univ. of Toronto, Toronto, ON, Canada, 3Dept. of Anesthesia and Pain Med., The Hosp. for Sick Children, Toronto, ON, Canada, 4Department of Anaesthesia, Univ. of Toronto, Toronto, ON, Canada, 5Dept. of Paediatric Emergency Med., The Hosp. for Sick Children, Toronto, ON, Canada, 6Dept. of Paediatric Med., The Hosp. for Sick Children, Toronto, ON, Canada, 7Dept. of Paediatrics, Univ. of Toronto, Toronto, ON, Canada, 8Dept. of Haematology/Oncology, The Hosp. for Sick Children, Toronto, ON, Canada, 9Dept. of Paediatrics, Univ. of Toronto, Toronto, ON, Canada, 10Leslie Dan Faculty of Pharmacy, Univ. of Toronto, Toronto, ON, Canada


PH 135 NURSING GROUPS OF STUDY AND RESEARCH IN PAIN: CONTRIBUTIONS TO PAIN MANAGEMENT AND RESEARCH IN A PRIVATE HOSPITAL IN SAO PAULO (BRAZIL) E. R. Leali1, M. Bueno1, M. F. Gatti1, R. Caliman1, J. Souza1, 1Dept. of Ed. and Scientific Res., Hosp. Samaritano, São Paulo, Brazil, 2Sch. of Nursing, Univ. of Sao Paulo, São Paulo, Brazil, 3Emergency Service, Hosp. Samaritano, São Paulo, Brazil, 4Surgical Ctr., Hosp. Samaritano, São Paulo, Brazil

Thursday, September 2, 2010
PH 136 DEVELOPMENT AND ASSESSMENT OF AN EDUCATION PROGRAM FOR PARENTS OF CHILDREN WITH CHRONIC PAIN S. E. Williams, V. J. Gaughan, D. E. Logan, Pain Treatment Service, Children's Hosp. Boston, Boston, MA, USA

PH 139 PAILCITAXEL-INDUCED ACUTE ACTIVATION OF ASTROCYTES AND ENHANCED EXPRESSION OF MONOCYTE CHEMOTACTANT PROTEIN-1 IN RAT SPINAL CORD H. Zhang, S. Yoon, P. M. Dougherty, Pain Med., UT MD Anderson Cancer Ctr., Houston, TX, USA

PH 140 CELL-CELL SIGNALING BY TRANSMEMBRANE TNF WITH IMPLICATIONS FOR NEUROPATHIC PAIN M. Mateu, Z. Zhou, X. Peng, J. Haghshenas, R. Insolera, D. J. Fink, Neurology, Univ. of Michigan, Ann Arbor, MI, USA

PH 141 DELTA-OPIOID RECEPTOR TRAFFICKING INDUCED BY NEUROPATHIC PAIN IS BLOCKED BY CHRONIC TREATMENT WITH THE GLIAL HIBITANT PROPENTOFYLLINE P. Grener, S. Armstrong, R. Phelan, S. Holdt RG, Queen's Univ., Kingston, ON, Canada

PH 142 NG2-EXPRESSING CELLS: A POTENTIAL NEW PLAYER IN THE SPINAL DORSAL HORN FOLLOWING PERIPHERAL NERVE INJURY X. J. Liu, S. Beggs, M. W. Salter, Neurosciences and Mental Hlth., The Hosp. for Sick Children, Toronto, ON, Canada


PH 146 INFLAMMATION MEDIATED CHANGES IN BLOOD SPINAL-CORD BARRIER (BSCB) PERMEABILITY FOLLOWING SCIATIC NERVE INJURY S. Echeverry, B. Y. Wu, J. Zhang, The Alan Edwards Ctr. for Res. on Pain, McGill Univ., Montréal, QC, Canada

PH 147 REGULATION OF SPINAL SUBSTANCE P RELEASE BY INTRATHECAL CALCIUM CHANNEL BLOCKADE AND GABAPENTIN T. Takasusuki, Q. Xu, T. L. Yaksh, Anesthesiology, Univ. of California, San Diego, La Jolla, CA, USA

PH 148 ‘SPICING UP’ THE GABAPENTINOIDS J. E. Biggs, P. L. Semenkowksi, K. Ballanyi, P. A. Smith, 1Dept. of Pharmacology, Univ. of Alberta, Edmonton, AB, Canada, 2Dept. of Physiology, Univ. of Alberta, Edmonton, AB, Canada

PH 149 EFFECT OF DIAZEPAM AND AN ALPHA-SUBUNIT PREFERENTIAL GALA, POSITIVE ALLOSTERIC MODULATOR (PAM) ON MINIATURE GABAERGIC HIBITANT Postsynaptic CURRENT IN ADULT MICE SPINAL CORD DORSAL HORN C. Dalle, S. Nickolls, E. Stevens, G. McMurtry, R. Kinloch, A. Bradaia, 1Pain, Pfizer Global Res. and Dev., Sandwich, United Kingdom, 2Neuroservice, Aix en Provence, France

PH 150 DURAL AFFERENTS RESPOND TO DECREASED PH VIA ACTIVATION OF ACID SENSING ION CHANNELS J. Yan, R. Edelmayer, X. Wei, M. De Felice, F. Forneca, G. Dusser, Univ. of Arizona, Tucson, AZ, USA

PH 151 FUNCTIONAL CHARACTERIZATION OF P2X4 RECEPTOR-MEDIATED PORE DIATION IN MICROGLIA L. Bernier, A. Ase, E. Boue-Grabot, P. Seguelia, 1Montreal Neurological Inst., McGill Univ., Montréal, QC, Canada, 2CNRS UMR 5227, Univ. Victor Segalen Bordeaux 2, Bordeaux, France

PH 152 FUNCTIONAL INTERACTIONS BETWEEN PERIPHERAL P2X RECEPTORS AND TRPV1/TRPA1 IN TRIGEMINAL SENSORY NEURONS MEDIATE MECHANICAL HYPERALGESIA IN MASSETER MUSCLE J. L. Salomao, G. A. Haynes, J. Y. Ro, Neural and Pain Sci., Univ. of Maryland Baltimore, Baltimore, MD, USA


PH 154 GSK1247400 A NOVEL POTENT STATE-DEPENDENT SODIUM CHANNEL BLOCKER WITH BROAD PRECLINICAL ANTIHYPERALGESIC EFFICACY V. Morisset, N. McNaughton, E. Holland, N. Clayton, A. Wilson, S. Collins, T. Stein, S. N. Tate, M. J. Gunthorpe, P. Green, Neurosci. CEDD, GlaxoSmithKline, Harlow, United Kingdom

PH 155 EXPRESSION OF Na,1,8 CORRELATES WITH SYMPTOMS OF NEUROPATHIC PAIN IN MAN C. R. Morgan, E. V. Birdi, J. A. Black, S. G. Waxmann, P. P. Robinson, A. L. Loescher, F. M. Boissonade, 1Oral and Maxillofacial Med. and Surgery, Univ. of Sheffield, Sheffield, United Kingdom, 2Dept. of Neurology and Ctr. for Neurosci. and Regeneration Res., Yale Sch. of Med. and VA Connecticut, New Haven, CT, USA

PH 156 SIGNALLING PATHWAYS ACTIVATED BY SPHINGOSINE-1-PHOSPHATE IN NICECTORS IN CULTURE M. Camprubi, B. F. Donaldson, 1Microvascular Res. Labs, Dept. of Physiology and Pharmacology, University of Arizona, Tucson, AZ, USA

PH 157 ROLE OF TRPV1 ON NOCICEPTION AND EDEMA INDUCED BY MONOSODIUM URATE CRYSTALS IN RATS J. Ferreira, C. Hoffmeister, M. F. Rossato, G. Trevisan, S. M. Oliveira, Chemistry, Univ. Federal de Santa Maria, Santa Maria RS, Brazil

PH 158 INTERACTION OF TRANSIENT RECEPTOR POTENTIAL VANILLOID 1 (TRPV1) WITH µ-OPIOID RECEPTORS AND TRP ION CHANNELS V. Spahn, O. Fischer, C. Stein, C. Zöllner, Kl. I. Anästhesiologie u. operative Intensivmedizin, Charite-Universitätsmedizin Berlin, Berlin, Germany

PH 159 THE MOLECULAR DOMAINS INVOLVED IN THE INTERACTION BETWEEN TRPA1 AND TRPV1 CHANNELS M. S. S. Padi, K. M. Hargraves, A. N. Akopian, Endodontics, Univ. Of Texas Httl. Sci. Ctr, San Antonio, TX, USA

PH 160 PRODUCTION OF A LIPOPHILIC COMPOUND BY SARCOMA CELLS ACTIVATES TRPV1 M. A. Lauder, S. Ruparel, A. Patwardhan, K. M. Hargraves, 1Surgery, UTHSCSA, San Antonio, TX, USA, 2Endodontics, UTHSCSA, San Antonio, TX, USA

PH 161 ALTERNATIVELY SPICED VEGF-A FAMILY PROTEINS MODULATE NOCICEPTIVE BEHAVIOUR IN NAIVE AND NERVE- INJURED MICE N. Beazley-Long, R. P. Hulse, S. J. Harper, D. O. Bates, L. F. Donaldson, 1Microvascular Res. Labs, Dept. of Physiology and Pharmacology, Sch. of Med. Sci., Univ. of Bristol, Bristol, United Kingdom, 2Dept. of Physiology and Pharmacology, Sch. of Med. Sci., Univ. of Bristol, Bristol, United Kingdom

PH 163 INTERLAMINAR DIFFERENCE IN CHLORIDE EXTRUSION CAPACITY IN THE SPINAL DORSAL HORN Y. De Koninck, L. E. Lorenzo, A. Godin, P. Wiseman, A. Ribeiro-da-Silva, F. Ferrini, 1Cellular & Molecular Neuros., Ctr. chercheur Univ. Laval Robert-Giffard, Quebec, QC, Canada, 2Pharmacology & Therapeutics, McGill Univ., Montréal, QC, Canada, 3Physics, McGill Univ., Montréal, QC, Canada, 4Vet. Morphophysiology, Univ. of Turin, Turin, Italy

PH 164 GENETIC DELETION OF VGLUT2 FROM PRIMARY SENSORY NEURONS CAUSES NOCICEPTION IMPAIRMENT K. Ropog, M. C. Lagerstrom, K. Kullander, Dev. Genetics, Uppsala Univ., Uppsala, Sweden

PH 165 ROLE OF HETEROTRIMERIC G-PROTEINS. GqG and Gz11, IN DORSAL ROOT GANGLIA (DRG) ON PATHWAYS A. Tappe-Theodor, C. Constantin, I. T. Tegeder, A. Todd, N. Agarwal, N. Wettachurek, M. Kress, S. Oppermanns, R. Kuner, 1Pharmacology Inst., Univ. of Heidelberg, Heidelberg, Germany, 2Dept. of Physiology, Univ. of Freiburg, Freiburg, Germany, 3Div. of Physiology, Dept. of Physiology and Med. Physics, Innsbruck Med. Univ., Innsbruck, Austria, 4Inst. of Clinical Pharmacology, Johannes Wolfgang Goethe-Universit., Frankfurt am Main, Germany, 5Spinal Cord Group, Inst. of BioMed. and Life Sci., Univ. of Glasgow, Glasgow, United Kingdom, 6Dept. of Pharmacology, Max-Planck-Inst. for Heart- and Lung-Res., Bad Nauheim, Germany
PH 168 A DUAL ROLE FOR SPINAL ALPHA-2A ADRENERGIC RECEPTORS IN OPIOID-ADRENERGIC INTERACTIONS A. Chabot-Devé1, M. Millecamps2, T. Sinnathamby3, L. S. Stone4, 1Neurology and Neurosurgery, McGill Univ., Montréal, QC, Canada, 2The Alan Edwards Ctr. for Res. on Pain, McGill Univ., Montréal, QC, Canada, 3Faculty of Dentistry, McGill Univ., Montréal, QC, Canada

PH 169 THE PKCe ISOFORM IS BOTH NECESSARY AND SUFFICIENT FOR SPINAL ANALGESIC SYNERGY MEDIATED BY ALPHA-2A ADRENERGIC AND DELTA OPIOID RECEPTORS IN PEPTIDERIC PRIMARY AFFERENT TERMINALS: PRIMARY AFFERENT TERMINALS: G. L. Wilcox1, A. C. Overland1, K. F. Kito1, C. A. Fairbanks1, L. S. Stone2, 1Neurosci., Pharmacology and Dermatology, Univ. of Minnesota, Minneapolis, MN, USA, 2Pharmacology & Therapeutics, McGill Univ., Montréal, QC, Canada

PH 170 A RAPAMYCIN-SENSITIVE SIGNALING PATHWAY IS ESSENTIAL FOR THE FULL EXPRESSION OF PERSISTENT PAIN STATES S. M. Géranton1, L. Jiménez-Díaz2, K. T. Christoph3, C. Torsney3, K. K. Töchi2, S. A. Stuart1, J. L. M. Park1, 1Anesthesiology & Perioperative Care, Univ. of Minnesota, Minneapolis, MN, USA, 2Neurosci., Pharmacology and Dermatology, Univ. of Minnesota, Minneapolis, MN, USA, 3Physics, McGill Univ., Montréal, QC, Canada

PH 171 PLASTICITY-RELATED GENE EXPRESSION ASSOCIATED WITH PERSISTENT PAIN, CONDITIONED FEAR AND FEAR-CONDITIONED ANALGESIA IN RATS W. M. Olango1, S. M. Géranton2, O. Moriarity1, M. Roche1, S. P. Hunt1, D. P. Finn1, 1Dept. of Pharmacology and Therapeutics, Natl. Univ. of Ireland Galway, Galway, Ireland, 2Dept. of Cell and Dev. Biology, Univ. Coll. London, London, London, United Kingdom, 3Dept. of Physiology, Inst. Neurociencias Castilla y León, Salamanca, Spain, 4Ctr. for Integrative Physiology, The Univ. of Edinburgh, Edinburgh, United Kingdom, 5Dept. of Physiology, Univ. of Bristol, Bristol, United Kingdom

PH 172 CELLULAR MECHANISM OF THROMBOSPONDIN MEDIATED NEUROPATHIC PAIN D. Lui1, D. Kim1, A. Boroujerdi2, K. Li1, P. Deng1, X. Zhang1, M. Corp1, A. Archibald1, Z. Xu1, 1Anesthesiology & Perioperative Care, Univ. of California, Irvine, Orange, CA, USA, 2University of California, Irvine, Irvine, CA, USA, 3Anatomy & Cell Biology, Indiana Univ., Indianapolis, IN, USA, 4Ctr. for Biochemistry, Univ. of Cologne, Cologne, Germany

PH 173 A CELL-BASED ASSAY TO SCREEN REGULATORS OF CDK5/P35 ACTIVITY FOR PAIN SIGNALING H. E. Lorenzo1, A. G. Godiri1, D. Boudreau1, C. F. Wiseman1, A. Ribeiro-da-Silva1, G. Luo1, D. Kim1, A. Boroujerdi2, K. Li1, P. Deng1, X. Zhang1, M. Corp1, A. Archibald1, Z. Xu1, 1Faculty of Dentistry, McGill Univ., Montréal, QC, Canada, 2Pharmacology & Therapeutics, McGill Univ., Montréal, QC, Canada

PH 174 ATTENUATION OF INJURY INDUCED PAIN-RELATED BEHAVIOR BY BLOCKADE OF NEUROPEPTIDE Y Y2 RECEPTOR D. Saapun1, K. Vukojevic, S. Kostic, L. Pujjak, Dept. of Anatomy, Histology and Embryology, Univ. of Split Sch. of Med., Split, Croatia

PH 176 DE NOVO EXPRESSION OF SUBSTANCE P RECEPTORS IN LAMINA I PYRAMIDAL NEURONS IN AN ANIMAL MODEL OF NEUROPATHIC PAIN A. W. Saeed, A. Ribeiro-da-Silva, Pharmacology & Therapeutics, McGill Univ., Montréal, QC, Canada
PH 195 TISSUE HYPOXIA IN SUBCUTANEOUS AND DEEP MUSCLE TISSUES AFTER INCISION IN THE RATS S. Karagi, D. Lee, B. E. Theusch, T. J. Brennan, Dept. of Anesthesia, U of Iowa, Iowa City, IA, USA, 1Dept. of Anesthesia and Pharmacology, U of Iowa, Iowa City, IA, USA

PH 196 THE ROLE OF PPARα IN MODULATING INFLAMMATORY AND NEUROPATHIC PAIN RESPONSES B. N. Okine, C. Spicer, P. Mills, A. J. Bennett, V. Chapman, Sch. of Biomed. Sci., Univ. of Nottingham Med. Sch., Nottingham, United Kingdom

PH 197 NEUROMETER MEASUREMENT OF CURRENT STIMULUS THRESHOLD IN ZUCKER DIABETIC FATTY RATS Y. Kiriharai, M. Takechi, K. Kurosaki, T. Yamada, S. Kaidzu, S. Sakura, Y. Saito, Experimental Animals, Gurtskaia, 1Neurophysiology, Beritashvili Inst. of Physiology, Tbilisi, Georgia, 2Tbilisi State Med. Univ., Tbilisi, Georgia


PH 200 ROLE OF GLYCINE-RECEPTORS FOR INCISION INDUCED MECHANICAL HYPERALGESIA S. Reich, P. K. Zahn, M. Augustin, E. M. Pogatzki, Dept. of Anaesthesiology and Intensive Care, Univ. Hosp. Muenster, Muenster, Germany

PH 201 SUPRADURAL APPLICATION OF INFLAMMATORY MEDIATORS AND FACIAL ALLODYNIA: A ROLE FOR GLIA? J. Wieseler, L. Watkins, Univ. of Colorado at Boulder, Boulder, CO, USA, 1Medicinova, San Diego, CA, USA

PH 202 SPINAL DURAL MAST CELLS AND THE BLOOD SPINAL CORD BARRIER IN PERIPHERAL INFLAMMATION D. N. Kanthos, G. Wunderbaldinger, S. Gaderer, J. S. Sandkühler, Ctr. for Brain Res., Dept. of Neurophysiology, Med. Univ. of Vienna, Vienna, Austria


PH 204 A NEW MECHANISM TO EXPLAIN THE ANALGESIC ACTIONS OF CELECOXIB R. M. Rezende, P. Paiva-Lima, V. M. Camelo, W. G. dos Reis, A. Faraco, Y. S. Bakhle, J. N. Francischii, 1Pharmacology, Federal Univ. of Minas Gerais, Belo Horizonte, Brazil, 2Leukocyte Biology, Natl. Heart and Lung Inst., Faculty of Med., Imperial Coll., London, United Kingdom

PH 205 THE ENHANCEMENT OF PENTYLENITRITRIZOLE-INDUCED SEIZURE THRESHOLD IN MICE VIA CYCLOOXYGENASE-2 INHIBITION OF NITRESULFONE, MESTINEH AND KHAZASEH H. Yazdanparast1,2, Physiology Res. Ctr., Kahan Univ. of Med. Sci., Kahan, Iran, Islamic Republic of, 1Dept. of Physiology and Pharmacology, Kahan Univ. of Med. Sci., Kahan, Iran, Islamic Republic of

PH 206 TOLERANCE EFFECTS OF NSAIDS MICROINJECTED INTO PERIAQUEDUCTAL GRAY, NUCLEUS RAPHE AND CENTRAL AMYGDALE M. G. Tsagareli1, N. Tsiklauri1, I. Nozadze1, R. Kandelaki1, G. Gurtskaia1, E. Abzianidze2, 1Neurophysiology, Beritashvili Inst. of Physiology, Tbilisi, Georgia, 2Tbilisi State Med. Univ., Tbilisi, Georgia

PH 207 CELECOXIB INDUCES PERIPHERAL ANALGESIA RELEASING β-ENDOPHRIN THROUGH ACTIVATION OF CANNABINOID RECEPTORS P. Paiva-Lima1, C. M. Queiroz-Junior1, R. M. Rezende1, L. Dornelas1, M. V. Callari1, A. Faraco1, Y. S. Bakhle1, J. N. Francischii1, 1Pharmacology, Federal Univ. of Minas Gerais, Belo Horizonte, Brazil, 2Pathology, Federal Univ. of Minas Gerais, Belo Horizonte, Brazil, 3Pharmaceutical Products, Federal Univ. of Minas Gerais, Belo Horizonte, Brazil, 4Leukocyte Biology, Imperial Coll., London, United Kingdom

PH 208 ENDOCANNABINOIDS TONICALLY MODULATE SPINAL NEURONAL RESPONSES IN A RAT MODEL OF OSTEOARTHRITIC PAIN D. Sauer, L. E. Staniszew, D. A. Barrett, D. A. Kendall, V. Chapman, Sch. of BioMed. Sci., Univ. of Nottingham, Nottingham, United Kingdom


PH 210 MODULATION OF NEUROPATHIC PAIN AND MICROGLIAL ACTIVATION WITH SELECTIVE AGONISM OF THE PUTATIVE CANNABINOID RECEPTOR: GPR55 C. M. Brown, J. Ashton, Pharmacology and Toxicology, Univ. of Otago, Dunedin, New Zealand

PH 211 ROLE OF EXCITATORY AMINO ACID TRANSPORTER INHIBITOR IN THE SUPERFICIAL DORSAL HORN NEURON Y. Kawasawa, F. Amaya2, M. Sasaki3, T. Nakatsuka1, T. Kohno1, 1Anesthesiology, Niigata Univ., Niigata, Japan, 2Anesthesiology and Intensive Care Med., Kyoto Prefectural Univ. of Med., Kyoto, Japan, 3Dept. of Anesthesiology and Intensive Care Med., Kyoto Prefectural Univ. of Med., Kyoto, Japan, 4Dept. of Physiology, Kansai Coll. of Oriental Med., Osaka, Japan

PH 212 REGULATION OF THE POSTSYNAPTIC ADHESION MOLECULES NEURONS IN SPINAL SENSITIZATION TO NEUROPATHIC PAIN T. Dollua1, A. Favereaux1, C. Leger2, V. Roques2, M. Landry2, F. Nagy2,3, 1INSERM U862 “Pathophysiology of spinal networks” Group, Bordeaux, France, 2Bordeaux Univ., Bordeaux, France

PH 213 SPINAL INHIBITION OF GABA, ACTIVATION BY THE EXTRACELLULAR MATRIX PROTEIN FIBULIN-2 IN NEUROPATHIC RATS M. A. Papon1, V. Le Feuvre1, G. Barreda Gomez2, A. Favereaux2, F. Farrugia1, C. Leger2, R. Rodriguez-Puertas2, F. Nagy2,3, 1INSERM U862 “Pathophysiology of spinal networks” group, Bordeaux, France, 2Bordeaux Univ., Bordeaux, France

PH 214 SENSITIZATION OF WITHDRAWAL REFLEXES BY MUSTARD OIL IN THE ANAESTHETIZED RAT K. L. Dobson, J. Harris, Div. of Animal Sci., Univ. of Nottingham, Loughborough, United Kingdom

PH 215 NEUROPHARMACOLOGICAL BASIS OF TRANSCRANIAL MAGNETIC STIMULATION INDUCED ANALGESIA: THE ROLE OF ENDOGENOUS OPIOIDS F. Adam1, D. Ciampi de Andrade2, A. Mhalla1, M. J. Texeira1, D. Bouhassira1, 1CHU Amboise Paré, INSERM U-987, Physiopathologie et Pharmacologie Clinique de la Douleur, Boulogne Bilancourt, France, 2Dept. of Neurology of the Hosp. das Clinicas of the Univ. of São Paulo, São Paulo, Brazil

PH 216 RELATIONSHIP BETWEEN AUTONOMIC NERVOUS SYSTEM RESPONSES AND THERMAL PAIN L. Devoile1, P. Chalaye2, D. Bouhassira1, 1CHU Amboise Paré, INSERM U-987, Physiopathologie et Pharmacologie Clinique de la Douleur, Boulogne Bilancourt, France, 2Univ. of Bordeaux, Bordeaux, France

PH 217 GENDER DIFFERENCES IN SUMMATION AND ENDOGENOUS MODULATION OF HEAT PAIN IN HEALTHY ADULTS N. Guy, L. Devoize, P. Clavelou, R. Dallef, Univ. Avignon Clermont1, INSERM U929, Clermont-Ferrand, France, 2Univ. de Sherbrooke, Ctr. de Recherche Clinique, Sherbrooke, QC, Canada

PH 218 STIMULATION (CHEPS) IN NORMAL HUMAN CONTROL SUBJECTS S. Wiesenfeld-Hallin, M. A. Ross, C. R. Hoffman-Snyder, S. Findley, Neurology, Mayo Clinic Rochester, Rochester, MN, USA

PH 219 I FEEL AS MUCH AS YOU FEEL CORRELATION BETWEEN STIMULATION (CHEPS) IN NORMAL HUMAN CONTROL SUBJECTS S. Wiesenfeld-Hallin, M. A. Ross, C. R. Hoffman-Snyder, S. Findley, Neurology, Mayo Clinic Rochester, Rochester, MN, USA

PH 220 ROLE OF GLYCINE-RECEPTORS FOR INCISION INDUCED MECHANICAL HYPERALGESIA S. Reich, P. K. Zahn, M. Augustin, E. M. Pogatzki, Dept. of Anaesthesiology and Intensive Care, Univ. Hosp. Muenster, Muenster, Germany

PH 221 SUPRADURAL APPLICATION OF INFLAMMATORY MEDIATORS AND FACIAL ALLODYNIA: A ROLE FOR GLIA? J. Wieseler, L. Watkins, Univ. of Colorado at Boulder, Boulder, CO, USA, 1Medicinova, San Diego, CA, USA
PH 222 RELATIONSHIP BETWEEN SPINAL CORD NOREPINEPHRINE AND SEROTONIN TRANSPORTER OCCUPANCY AND ALLODYNIA IN THE RAT SPINAL NERVE LIGATION MODEL OF NEUROPATHIC PAIN C. B. Campbell1, P. Tsuuda2, H. Nygren3, J. O’Mahony4, J. A. Smith5, W. J. Martin5, 1Pharmacology, Theravance, South San Francisco, CA, USA, 2Molecular and Cellular Biology, Theravance, South San Francisco, CA, USA, 3Genentech, South San Francisco, CA, USA

PH 223 ENDOCANNABINOID ANANDAMIDE MODIFIES THE ANALGESIC ACTION OF MU-OPIOID AGONISTS IN NEUROPATHIC PAIN IN MICE. SPINAL NITRIC OXIDE SYNTHASE C. Stawczik, W. Makuch, B. Przewlocki, Dept. of Pain Pharmacology, Inst. of Pharmacology PAS, Cracow, Poland

PH 224 REINSTATEMENT OF INFLAMMATORY AND NEUROPATHIC PAIN WITH NALTREXONE: UNMASKING OPIOIDERGIC INHIBITION OF SPINAL HYPERALGESIA G. F. Cordier1, A. D. Webb2, B. K. Taylor2, 1Physiology, Univ. of Kentucky, Lexington, KY, USA, 2Univ. of Kentucky, Lexington, KY, USA

PH 225 PARADOXICAL INCREASES IN OFFSET ANALGESIA DURING ACUTE OPIOID INDUCED HYPERSENSITIVITY K. T. Martucci1, J. C. Eisenach1, C. Tong2, R. C. Coghill2, 1Neurobiology and Anatomy, Wake Forest Univ. Sch. of Med., Winston-Salem, NC, USA, 2Dept. of Anesthesiology, Wake Forest Univ. Sch. of Med., Winston-Salem, NC, USA

PH 226 ELECTRODERMAL CORRELATES OF REAPPRAISAL AND CONTEXTUAL MODULATION OF PAIN A. H. Ahmad1, C. Berna1, S. Leknes2, R. N. M khuireuchataigh1, K. Wiech1, I. Tracey1, 1FMRIB Ctr., Univ. of Oxford, Oxford, United Kingdom, 2Univ. of Oslo and Univ. of Gothenburg, Oslo, Norway

PH 227 OPTO-EXCITATION OF PONTINE NORADRENERGIC NEURONS EVOKES CHANGES IN THERMAL NOCICEPTION IN RATS IN VIVO L. Hickey, F. Tang, B. M. Lumb, A. G. Teacher, K. E. Pasparakis, A. E. Pickering, Physiology & Pharmacology, Univ. of Bristol, Bristol, United Kingdom

PH 228 SEX DIFFERENCES IN EXERCISE-INDUCED ANALGESIA AND DIFFUSE NOXIOUS INHIBITION CONTROL F. A. Dannencker1, K. F. Koltyr2, C. R. Velazquez3, L. Arendt-Nielsen4, T. Graven-Nielsen4, 1Physiotherapy, University of Missouri, Columbia, MO, USA, 2Kinesiology, Univ. of Wisconsin, Madison, WI, USA, 3Immunology and Rheumatology, Univ. of Missouri, Columbia, MO, USA, 4The Intl. Doctoral Sch. for BioMed. Sci. and Engineering, Aalborg Univ, Aalborg, Denmark

PH 230 HOW THE PAIN OF OTHERS ENHANCES OUR PAIN: SEARCHING THE CEREBRAL CORRELATES OF “COMPASSIONATE HYPERALGESIA” F. Godino1,2, I. FAILLENOIT1, C. Perchet1, M. Frad1, M. Magnin1, L. Garcia-Lamea1, 1Central Integration of Pain, INSERM U879, Lyon, France, 2Functional Neurosurgery, Santa Marcelina Hosp., Sao Paulo, Brazil

PH 231 PRELIMINARY STUDY TO CLARIFY CHARACTERISTICS OF DORSOLATERAL PREFRONTAL CORTEX ACTIVITY DURING NON-PAINFUL AND PAINFUL STIMULATION TO JAW MUSCLE N. Narita1, K. Yamamura1, Y. Matsumura1, K. Kiami1, H. Niwa2, Y. Makiyama2, 1Pharmacology, Theravance, South San Francisco, CA, USA, 2Dept. of Anesthesiology, Wake Forest Univ. Sch. of Med., Winston-Salem, NC, USA

PH 232 DEFINING NEURAL CORRELATES RELATED TO TRAINT ANXIETY INFLUENCES ON THE PAIN EXPERIENCE A. R. Segerdahl1, P. D. Duncanley1, Y. Kong1, L. Zambaneau1, I. Tracey1, Anesthesiology and Neurology, Oxford Univ, Oxford, United Kingdom

PH 233 NEUROPATHIC PAIN PATIENTS HAVE ALTERED CENTRAL PROCESSING OF NOXIOUS HEAT STIMULATION R. Slater1, P. Schweinhardt2, C. Glynn2, B. Chizh2, I. Tracey1, 1FMRIB Ctr., Univ. of Oxford, Oxford, United Kingdom, 2McGill Univ., Montréal, QC, Canada, 3Pain Relief Unit, Univ. of Oxford, Oxford, United Kingdom, 4GSK, Cambridge, United Kingdom

PH 234 NEUROIMAGING OF CHRONIC LOW BACK PAIN USING ARTERIAL SPIN LABELLING N. Spaar1,2, M. Thacker3,2, S. Williams3, F. Zelaya1, M. Howard1, 1Ctr. for Neuroimaging Sci., Inst. of Psychiatry, London, United Kingdom, 2Dept. of Physiotherapy, Guy’s and St Thomas’ NHS Fndn. Trust, London, United Kingdom, 3King’s Coll. London, Academic Dept. of Physiotherapy, London, United Kingdom

PH 235 OPTIMIZATION OF VIBROTACTILE STIMULATION FOR FUNCTIONAL MRI EVALUATION OF SOMATOTOPY IN CARPAL TUNNEL SYNDROME PATIENTS Y. Maeda1, J. Lee1, J. Holder1, S. Cina1, L. LaCourt1, J. Kim1, A. Li1, C. McM anus3, C. Malatesta1, K. Park1, M. Tommerdahl1, N. Kettner1, J. Audette1, V. Napoladw2, 1Radiology, MGH/MIT/ HMS Martinos Ctr. for BioMed. Imaging, Charlestown, MA, USA, 2Radiology, Logan Coll. of Chiropractic, Chesterfield, MO, USA, 3Biomed. Engineering, Kyunghee Univ., Yongin, Korea, Republic of, 4BioMed. Engineering, Univ. of North Carolina Sch. of Med., Chapel Hill, NC, USA, Physiological and Rehabilitation, Spaulding Rehabilitation Hosp., Medford, MA, USA, 5Pain Med., Harvard Vanguard Med. Associates, Atius Hlin, Boston, MA, USA

PH 236 PERCEIVED CONTROL OVER PAIN REDUCES ANXIETY: TOP DOWN MECHANISMS T. V. Salomons1, R. Nusslock1, T. Johnstone1, 1Toronto Western Res. Inst., Toronto, ON, Canada, 2Dep. of Psychiatry, Western Psychiatrist Inst. and Clinic, Pittsburgh, PA, USA, Psychology, Univ. of Reading, Reading, United Kingdom, 3NIH, Bethesda, MD, USA, 4Psychology, Univ. of Wisconsin-Madison, Madison, WI, USA

PH 237 DEVELOPMENT OF A BEHAVIOURALLY RELEVANT FMRI PARADIGM IN PATIENTS WITH PAINFUL THUMB OSTEARTHROPATHY P. T. Sanders1, M. Howard2, E. Migo1, K. Krause1, A. Fotopoulou1, M. Thacker1, J. P. Huggins2, W. Vennerst1, S. C. Williams1, 1Ctr. for Neuroimaging Sci., Inst. of Psychiatry, Kings Coll. London, De Crespiigny Park, London, United Kingdom, 2Academic Dept. of Physiotherapy, King’s Coll. London, London, United Kingdom, 3Pfizer Global Res. & Dev., Sandwich, Kent, United Kingdom


PH 239 CORTICAL CORRELATES OF THE INTERACTION BETWEEN PAIN-RELATED ANXIETY AND SELECTIVE ATTENTION TO THE SENSORY COMPONENT OF PAIN C. A. Brown1, A. Power2, A. K. Jones3, Human Pain Res. Group, Univ. of Manchester, Salford, United Kingdom

PH 240 TREATING CHRONIC LOW BACK PAIN REVERSES STRUCTURAL BRAIN CHANGES D. A. Seminowicz1, T. H. Wideman2, L. Naso3, Z. Hatami-Khoroushahi1, S. Fallati4, M. A. Ware1, F. Jarzem3, J. A. Gessel4, Y. Shu4, M. T. Hughes1, 4Anesthesia, McGill Univ., Montréal, QC, Canada, 5Univ. of Western Australia, Perth, Australia, 6Burnet Inst., Alfred Hosp. and Monash Univ., Melbourne, Australia

PH 241 A MULTISENSORY INVESTIGATION OF THE FUNCTIONAL SIGNIFICANCE OF THE “PAIN MATRIX” G. F. Corder1, A. D. Webb2, B. K. Taylor2, 1Physiology, Univ. of Kentucky, Lexington, KY, USA, 2Univ. of Kentucky, Lexington, KY, USA

PH 242 SUSCEPTIBILITY TO CHRONIC PAIN FOLLOWING NERVE INJURY IS GENETICALLY CONTROLLED BY CACNG2 J. Nissenbaum1, M. Devor1, Z. Seltzer2, A. Pisanté1, 1Genetics, The Hebrew Univ. of Jerusalem, Jerusalem, Israel, 2Cell and Dev. Biology, The Hebrew Univ. of Jerusalem, Jerusalem, Israel, 3Faculties of Dentistry and Med., Univ. of Toronto, Toronto, ON, Canada


Thursday, September 2, 2010

92
PH 294 A QUESTION OF BALANCE: POSITIVE VERSUS NEGATIVE ALLOSTERIC MODULATION OF GABA-A RECEPTOR SUBTYPES AS A DRIVER OF ANALGESIC EFFICACY IN RAT MODELS OF INFLAMMATORY AND NEUROPATHIC PAIN. H. K. Erichsen, G. Munro, N. Mirza, Pharmacology, NeuroSearch, Ballerup, Denmark

PH 295 TWO POPULATIONS OF NEUROKININ 1 RECEPTOR-EXPRESSING LAMINA I PROJECTION NEURON IN RAT SPINAL CORD THAT DIFFER IN AMPA RECEPTOR SUBUNIT COMPOSITION AND DENSITY OF EXCITATORY SYNAPTIC INPUT. E. Polgar, K. A. Ghamdi, A. J. Tod, Neurosci. and Molecular Pharmacology, FBL, Univ. of Glasgow, Glasgow, United Kingdom

PH 296 A QUANTITATIVE STUDY OF NEUROPEPTIDE Y EXPRESSION AMONG GAABERICURUS IN NEURONS IN THE DORSAL HORN OF THE RAT SPINAL CORD. A. J. Tod, E. Polgar, T. Sardella, Faculty of BioMed. and Life Sci., Univ. of Glasgow, Glasgow, United Kingdom

PH 297 RAT TISSUE EXPRESSION PROFILE OF AKT AND PHARMACOLOGICAL CHARACTERISATION OF A PAN-AKT INHIBITOR IN A ULTRAVIOLET-B INDUCED MODEL OF INFLAMMATION. R. Suzuki, R. Monhemius, S. Trim, K. Holmberg, D. Williams, Discovery Biology, Pfizer Global R&D, Sandwich Kent, United Kingdom

PH 298 MODULATION OF NOCICEPTIVE SYNAPTIC TRANSMISSION BY TNF-ALPHA AND N-OLEOYLPHOSPHATIDYLETHANOLAMINE (OLDA) AT THE SPINAL CORD LEVEL. D. Spicarova, J. Poleck. Functional Morphology, Inst. of Physiology, Academy of Sci., Praha, Czech Republic

PH 299 DISINHIBITION REPLICATES CHANGES IN ENCODING PROPERTIES OF DEEP SPINOthalamic TRACT NEURONS ASSOCIATED WITH PERIPHERAL NERVE INJURY. G. Laverty, S. S. Côté, Y. De Koninck, CRULRG, Univ. Laval, Québec, QC, Canada

PH 300 SUBSTANCE P-INDUCED THERMAL HYPERALGESIA IN THE ROSTRAL VENTROMEDIAL MEDULLA IS MEDIATED BY SPINAL SHT3, NMDA, AND GABA, RECEPTORS. S. C. LaGrage, W. Guo, K. Ren, R. Dubner, Neural and Pain Sci and Program in Neurosci., Univ. of Maryland Dental Sch., Baltimore, MD, USA

PH 301 SPINAL 12-LIPoxyGENASES (12-LOX) CONTRIBUTE TO CARRAGEenan-MEDIATED INFLAMMATORY HYPERALGESIA. A. M. Grengs1, D. S. Dumiao2, B. L. Fitzsimmons3, E. A. Dennis4, X. Hua5, T. L. Yaksh6, 1Anesthesiology Res., UCSD, San Diego, CA, USA, 2Chemistry, Biochemistry and Pharmacology, UCSD, San Diego, CA, USA


PH 303 TWO-PHOTON MICROSCOPY OF MICROGLIA ACTIVITY IN SITU IN THE MOUSE SPINAL CORD DORSAL HORN. G. M. Pitcher, S. Beggs, M. W. Salter, Program in Neurosci. & Mental Hlth., Hosp. for Sick Children, Toronto, ON, Canada

PH 304 SPINAL TOLL-LIKE RECEPTORS: INITIATION OF TACTILE ALLODYNIA AND GLIAL Activation. J. A. Stokes, C. Christianson, M. Corf, T. L. Yaksh, 1Anesthesiology, Univ. of California, San Diego, La Jolla, CA, USA, 2Rheumatology, Allergy, and Immunology, Univ. of California, San Diego, La Jolla, CA, USA

PH 305 THORACIC SPINAL MANIPULATION PREVENTS SEGMENTAL AMPLIFICATION OF SYMPATHETIC REFLEXES INDUCED BY NOXIOUS STIMULATION OF THE SPINE. A. Desmarais, S. Houle, M. Descarreaux, M. Piché, Dept. de chirurgie, Univ. du Québec à Trois-Rivières, Trois-Rivières, QC, Canada

PH 306 FUNCTIONAL STUDY OF ABNORMAL SYMPATHETIC-SENSORY CONNECTIONS USING A NEW IN-VITRO METHOD. W. Xie, J. A. Strong, J. Zhang, Anesthesiology, Univ. of Cincinnati, Cincinnati, OH, USA


PH 308 HISTOLOGICAL CHANGES ASSOCIATED WITH PREFRONTAL CORTEX ATROPHY IN A RODENT MODEL OF LONG TERM NEUROPATHY. M. Milecampa1, D. A. Seminowicz1, A. L. Lafeniere1, P. Kocsis1, T. J. Codere1,2, L. S. Stone3, M. C. Bushnell1,3, 1Alan Edwards Ctr. for Res. on Pain, McGill Univ., Montréal, QC, Canada, 2Dentistry, McGill Univ., Montréal, QC, Canada, 3Anesthesiology, McGill Univ., Montréal, QC, Canada


PH 310 A ROLE FOR PROLACTIN SIGNALLING IN HUMAN OROFACIAL NOCICEPTION. P. E. Scotland, J. C. Fehrenbacher, E. J. Sun, E. Lockes3, K. M. Hargreaves1, A. N. Akopian1, 1Pharmacology, UTHSCSA, San Antonio, TX, USA, 2Pharmacology and Toxicology, Indiana Univ. Sch. of Med., Indianapolis, IN, USA, 3Endodontics, UTHSCSA, San Antonio, TX, USA

PH 311 FACIAL INJECTIONS OF ITCH AND PAIN MEDIATORS ELICIT DISTINCT SCRATCHING AND WIPEING RESPONSES AND EXCITE PARTLY OVERLAPPING POPULATIONS OF PRIMARY AND SECOND-ORDER TRIGEMINAL NEURONS IN MICE. E. Carstens, T. Akiyama, M. Iod Carstens, Dept. of Neurology, Physiology and Behavior, UC Davis, Davis, CA, USA

PH 312 FACIAL INJECTIONS OF PRURITOSGENS OR ALGOGENS ELICIT DISTINCT BEHAVIOR RESPONSES WHILE EXCITING A COMMON POPULATION OF NEURONS IN TRIGEMINAL SUBNUCLEUS CAUDALIS IN RATS. A. H. Klein, M. Iod Carstens, E. Carstens, NBPI, UC Davis, Davis, CA, USA

PH 313 GENDER DIFFERENCES IN QUANTITATIVE ANALYSIS OF ELECTROENCEPHALOGRAPHIC ACTIVITY IN SLEEP BRUXISM PATIENTS WITH TRANSIENT JAW MUSCLE PAIN. M. C. Carra1,2, S. Abe3, N. Huyddt1, P. H. Rompré1, J. Y. Montplaisir2,3, G. J. Lavigne1,2, 1Medecine Dentaire, Univ. de Montréal, Montréal, QC, Canada, 2Hôpital du Sacré-Coeur de Montréal, Montréal, QC, Canada, 3Univ. de Montréal, Montréal, QC, Canada

PH 314 AMPA GLUR2/3 RECEPTORS IN THE TRIGEMINAL SPINAL CAUDALIS AND UPPER CERVICAL SPINAL CORD NEURONS ARE INVOLVED IN OROFACIAL INFLAMMATORY PAIN. V. Teumbo1, M. Miyamoto2, K. Honda2,3, K. Kobayashi1, K. Takamiya2, R. L. Huganri2, M. Kondo1, M. Shinoda1, I. Suzuki1, K. Iwata1, 1Physiology, Nihon Univ. Sch. of Dentistry, Tokyo, Japan, 2Anesthesiology, Nihon Univ. Sch. of Dentistry, Tokyo, Japan, 3Pharmacology, Nihon Univ. Sch. of Dentistry, Tokyo, Japan, 4Integrative Physiology, Univ. of Miyazaki, Miyazaki, Japan, 5Neurosci., Johns Hopkins Univ., Baltimore, MD, USA

PH 315 NFG CONTRIBUTES ECTOTIC HEAT HYPERALGESIA IN OROFACIAL REGION VIA TRPV1. M. Shinoda1, I. Suzuki1, K. Iwata1, 1Anesthesiology Res., UCSD, San Diego, CA, USA, 2Chemistry, Biochemistry and Pharmacology, UCSD, San Diego, CA, USA

PH 316 STRESS-INDUCED ANAESTHESIA IS ABSENT AND STRESS-INDUCED HYPERALGESIA IS MAGNIFIED IN ADULT RATS WHICH EXPERIENCED NEONATAL BLADDER INFLAMMATION. T. J. Nesso1, B. Jones1, C. J. Harris1, C. R. DeWitte2, J. J. DeBerry2, A. Randich2, M. T. Robbins2, 1Anesthesiology, Univ. of Alabama at Birmingham, Birmingham, AL, USA, 2Psychology, Univ. of Alabama at Birmingham, Birmingham, AL, USA

PH 317 NEUROTROPHIN BLOCKADE REDUCES REFERRED PAIN IN AN ANIMAL MODEL OF CRONIC CYSTITIS. B. Frias1,2, C. A. Charrua1,2, 1Inst. of Histology and Embryology, Faculty of Medical Sciences, Porto, Portugal, 2IBMC, Univ. of Porto; Dept. of Urology, Hosp. de S. João, Porto, Portugal

PH 318 ROLE OF GLUTAMATE TRANSMISSION REGULATED BY SPINAL GLIA IN THE MODULATION OF VISCERAL SENSITIVITY IN A RAT MODEL OF CHRONIC STRESS. S. Bradenić1, H. Ennès1, G. Golovatackва, I. Karagiannis1, K. Bakirzić1,2, C. Pothoulakis3, E. Mayer1, 1Digestive Diseases, Ctr. for Neurobiology of stress, UCLA school of Med., Los Angeles, CA, USA, 2Inflammatory Bowel Disease Ctr., Digestive Diseases Div., UCLA school of Med., Los Angeles, CA, USA
PH 319 VISCERAL HYPERSENSITIVITY DEMONSTRATED IN FUNCTIONAL DYSPESIA (FD) BY INDIVIDUAL CAPSAICIN TITRATION Y. Cao1, X. Li1, R. Wong1, K. Ho1, J. Hamer1, C. Wilder-Smith1,2, 1Dept. of Med., Natl. Univ. of Singapore, Singapore, Singapore, 2Dept. of Gastroenterology and Hepatology, Med. Univ. of Vienna, Vienna, Austria, 3Brain-Gut Res. Group, Bern, Switzerland


PH 321 T-TYPE CALCIUM CHANNELS TARGETED BY HYDROGEN SULFIDE ARE INVOLVED IN CYSTITIS-RELATED BLADDER PAIN AND NEUROGENIC INFLAMMATION IN MICE K. Nishiuma, M. Matsunami, T. Miki, A. Kawabata, Div. of Pharmacology and Pathophysiology, Kinki Univ. Sch. of Pharmacy, Higashi-Osaka, Japan

PH 322 EVALUATION OF INTERACTION BETWEEN SPINALLY ADMINISTERED CGRP ANTAGONIST AND HISTAMINE IN RAT BY FORMalin TEST J. Izadi Mobarakahi1, A. Torkaman-Boutorabi2, S. Ghasri2, R. Ali Nezhad1, A. Hamzehli1, A. Rahimi1, K. Takahashi1, K. Yana1, 1NanoBiotechnology, Pasteur Inst. of Iran, Tehran, Iran, Islamic Republic of, 2Physiology and Pharmacology, Pasteur Inst. of Iran, Tehran, Iran, Islamic Republic of, 3Cellular & Molecular Biology, Faculty of Sci., Azad Islamic Univ. Branch of Parand, Tehran, Iran, Islamic Republic of, 4Pharmacology, Tohoku Univ. Sch. of Med., Sendai, Japan

PH 323 TREATMENT OF POSTOPERATIVE PAIN WITH A DUAL-OPIOID COMBINATION OF MORPHINE AND OXYCODONE: ANALGESIA AND SIDE EFFECTS W. Stern1, R. Kelen2, D. S. Riff1, P. Richards1, 1QRxPharma Inc., Bedminster, NJ, USA, 2Advanced Clinical Res. Inst., Anaheim, CA, USA

PH 327 USE OF RESCUE LAXATIVES AMONG PATIENTS WITH CHRONIC NON-MALIGNANT PAIN RECEIVING METHYLALTERNOXEINE FOR OPIOID-INDUCED CONSTIPATION M. E. Duerden1, A. J. Weil2, S. Lortie1, 1CHU Sainte-Justine, Montréal, QC, Canada, 2Pain and anaesthesia, RUBY Management, AMRI Hosp., Kolkata, India, 3Pain and anaesthesia, RUBY GENERAL Hosp., Kolkata, India

PH 328 MORPHINE EQUIVALENT DOSES OF DUAL-OPIOID TREATMENT WITH MORPHINE PLUS OXYCODONE VS. MORPHINE AND OXYCODONE MONOTHERAPY FOR POSTOPERATIVE PAIN: SAFETY AND ANALGESIC PROFILES N. Y. Huang, P. Richards, R. Kelen, W. Stern, QRxPharma Inc., Bedminster, NJ, USA


PH 330 AN ACTIVATED CONTROLLED EVALUATION OF THE EFFICACY AND SAFETY OF DUAL-OPIOID TREATMENT WITH MORPHINE PLUS OXYCODONE FOR ACUTE PAIN FOLLOWING TOTAL KNEE ARTHROPLASTY P. Richards1, J. Gimbel1, H. S. Minkowitz2, R. Kelen3, 1QRxPharma Inc., Bedminster, NJ, USA, 2Anesthesia, Arizona Res. Ctr., Phoenix, AZ, USA, 3Dept. of Anesthesiology, Mem. Hermann Mem. City Med. Ctr., Houston, TX, USA

PH 331 ADDITIVE VALUE OF CODEINE FOR PAIN MANAGEMENT OF CHILDREN PRESENTING TO THE EMERGENCY DEPARTMENT WITH A MUSCULOSKELETAL TRAUMA S. LéMay1, S. Gourri1, C. Fortier1, A. Messier1, M. Robit1, N. Morin1, 1Faculty of Nursing, Univ. of Montréal, Montréal, QC, Canada, 2Emergency Services, CHU Sainte-Justine, Montréal, QC, Canada, 3Psychology, Univ. du Québec à Montréal, Montréal, QC, Canada

PH 332 PAIN PREVALENCE IN VENEZUELA: AN EPIDEMIOLOGIC CLINICAL STUDY J. M. Amory, Anesthesiology, Inst. de Clínicas y Urología Tamanaco, Caracas, Venezuela, Bolivarian Republic of

PH 333 PERI-OPErATIVE ANALGESIA FOR PAEDIATRIC PATIENTS HAVING OPEN PYELOPLASTY IN A SPECIALIST PAEDIATRIC HOSPITAL K. C. Raghavan, G. Williams, Anaesthetics, Great Ormond Street Hosp. for children NHS trust, London, United Kingdom

PH 334 AN AUDIT OF THE USE OF KETAMINE FOR POSTOPERATIVE PAIN C. Orlikowski1, I. Amarasekara, Dept. of Anaesthetics, Royal Hobart Hosp., Hobart, Australia

PH 335 BI-PROFENID® (KETOPROFEN) IN DAILY PRACTICE MANAGEMENT OF ACUTE EPISODES OF PAIN IN ACUTE AND CHRONIC CONDITIONS A. Serrie, Pain Federation – Palliative Med., Hosp. Lantboisière, Paris, France

PH 336 EVALUATION OF POSTOPERATIVE PAIN INTENSITY AND SURGEONS ANALGESICS PRESCRIPTION C. S. Landgrafl, R. C. Marques1, E. Constantino1, O. C. Pires1, V. R. Leite1, I. P. Posso1,2, 1Med., Univ. de Taubate, Taubate, Brazil, 2Cirurgia, Faculdade de Med. Univ. de Sao Paulo, Sao Paulo, Brazil

PH 337 TRAPEZIOMETACARPAL ARTHRITIS: COMPARISON BETWEEN EXTRACORPOREAL SHOCK WAVE VERSUS INTRA-ARTICULAR INJECTION OF SODIUM HYALURONATE ON TRAPEZIOMETACARPAL JOINT F. Anastasi1, G. Tenze2, F. Ioppolo3, L. Di Sante1, R. S. Rizzo1, F. Colbasso1, G. Paliani3, V. Santillii1, 1Univ. Cattolica del Sacro Cuore, Policlinico A. Gemelli, Istituto di Anestesiologia e Rianimazione, Roma, Italy, 2Emergency Dept., Intensive Care Unit, Policlinico Univ. Tor Vergata, Rome, Italy, 3Physical Med. and Rehabilitation Unit, Azienda Policlinico Umberto I, 1Univ. La Sapienza, Rome, Italy, 4Physial Med. and Rehabilitation Ctr., Nomentana Hosp., Rome, Italy, 5Ospedale Santa Maria dei Battuti, U.O Anesthesia e Rianimazione, San Vito al Tagliamento, Italy, 6Policlinico Univ. Gemelli, Rome, Italy

PH 338 ASSESSMENT OF PAIN MANAGEMENT IN THE BURNED CHILDREN IN ABIDJAN S. Assouakoun1, B. Vilasci1, K. Koulame2, J. Issoke1, 1SAMU Abidjan Ctr. Burn Treatment, Abidjan, Côte D’Ivoire, 2SAMU Abidjan Ctr. Burn Treatment, Abidjan, Côte D’Ivoire

PH 339 MODELING AND SIMULATION TO OPTIMIZE CONCENTRATION PROFILES OF A CONTROLLED RELEASE 75 mg/650 mg TRAMADOL: ACETAMINOPHEN COMBINATION PRODUCT V. Lemaire, C. Benquet, D. Le Garrec, S. Gervais, D. Smith, Labopharm Inc., Laval, QC, Canada

PH 340 POSTOPERATIVE PAIN, NAUSEA AND VOMITING AFTER TONSILLECTOMY IN PEDIATRIC PATIENTS: COMPARISONS BETWEEN DEXAMETHASONE 0.15 mg and 0.5 mg J. Pauquet1,2, E. Villeneuve1,2, L. Lortie1, S. Le May1,3, 1CHU Sainte-Justine, Montréal, QC, Canada, 2Univ. de Montréal, Montréal, QC, Canada

PH 341 THE USE OF PREGABALIN FOR THE MANAGEMENT OF POST-LAPAROSCOPIC HERNIORRAPHY PAIN SYNDROME K. Poodar1,2, 1Pain Management, AMRI Hosp., Kolkata, India, 2Pain and anaesthesia, RUBY GENERAL Hosp., Kolkata, India

PH 342 GABAPENTIN EXTENDED RELEASE (G-ER) FOR THE ONCE DAILY TREATMENT OF POSTHERPETIC NEURALGIA (PHN) C. N. Sang1, R. Sathyanarayana2, F. J. Carter1, M. Sweeney2, 1Translational Pain Res., Brigham and Women’s Hosp., Boston, MA, USA, 2Depomed, Inc., Menlo Park, CA, USA, 3Abbott, Marietta, GA, USA

PH 343 DOSSAGE OF PREGABALIN IN NEUROPATHIC PAIN MANAGEMENT IN CHILEAN PATIENTS J. P. Miranda1, J. Jaque1,2, L. Jimenez1,2, D. Morje1, F. Hormazabal2, N. Abusada2, R. Orellana2, P. Quezada1, M. Puente1, J. Retamales1, D. Muñoz1, E. Muñoz1, G. Cavada2, ‘Unidad de Dolor y Cuidados Paliativos, Hosp. Clínico Univ. de Chile, Santiago, Chile, 2Univ. del Desarrollo, CLinica Alemana, Santiago, Chile, 3Programa de Anatomia y Biologia del Desarrollo, Univ. de Chile, Santiago, Chile, 4Univ. Pedro de Valdivia, Facultad Med., Santiago, Chile, 5Escuela Salud Publica, Univ. de Chile, Santiago, Chile

PH 344 TAI CHI IMPROVES PAIN AND FUNCTION IN FIBROMYALGIA, KNEE OSTEOARTHRITIS AND RHEUMATOID ARTHRITIS C. Wang, Rheumatology, Tufs Med. Ctr., Boston, MA, USA

PH 345 EARLY ULTRASOUND GUIDED NEUROSISYS FOR CANCER PAIN MANAGEMENT: AN EXPERIENCE IN A TERTIARY CARE CENTER S. Brahmac, Anaesthesiology, Inst. Rotary Cancer Hosp., All India Inst. of Med. Sci., New Delhi, New Delhi, India
PH 394 THE PRE-EMPTIVE ANALGESIC EFFECT OF CYCLOOXYGENASE-2 INHIBITOR IN RAT MODEL OF ACUTE POSTOPERATIVE PAIN. P. Pan1, S. Yu1, J. Chen1, 1Anesthesiology, E-DA Hosp./-Shou Univ., Kaohsiung, Taiwan, 2Orthopaedics, E-DA Hosp./-Shou Univ., Kaohsiung, Taiwan, 3Anesthesiology, Kaohsiung Armed Forces Gen. Hosp., Kaohsiung, Taiwan

PH 395 SOMATIC HYPERALGESIA DURING RECOVERY FROM PROPFOFL SEDATION R. J. Ní Mhuircheartaigh, C. E. Warnaby, K. Ward, R. Rogers, I. Tracey, Nuffield Dept. of Anaesthetics, Univ. of Oxford, Oxford, United Kingdom

PH 396 THE USE OF REPEATED TRANSCRANIAL MAGNETIC STIMULATION IN THE TREATMENT OF REFRACTORY FACIAL PAIN. H. Hodai1, C. Mandet Dominici1, D. Czekely1, C. Jacquot1, J. Alibeu1, 1Ctr. de la Douleur, Pole Anesthésie-Réanimation, CHU de Grenoble, Grenoble, France, 2Pole Psychiatrie-Neurologie, CHU de Grenoble, Grenoble, France

PH 397 SIZE OF THERMAL TISSUE DAMAGE PRODUCED BY RADIOFREQUENCY GRADUAL STEPWISE TEMPERATURE INCREASE TECHNIQUE. M. A. Munir1, P. Darmos2, 1Southwest Ohio Pain Inst., Mason, OH, USA, 2Diros Technology Inc., Markham, ON, Canada

PH 398 A COMPARATIVE PROSPECTIVE COHORT STUDY OF CONVENTIONAL RADIOFREQUENCY (RF) VERSUS COOLED RF "SINEWAVE" AS A TREATMENT OF SACROILIAC JOINT COMPLEX. PH 398

PH 399 MANIPULATION OR MOBILISATION FOR NECK PAIN: A COCHRANE REVIEW. A. R. Gross1, J. Miller1, J. D’Sylva2, S. Banta1, C. H. Goldsmith1, N. Graham2, 1Sch. of Rehab Sci. & Dept. of Clinical Epidemiology & Biostatistics, McMaster Univ., Hamilton, ON, Canada, 2School of Health, McMaster Univ., Hamilton, ON, Canada

PH 400 INVASIVE TREATMENT MODALITIES FOR CHRONIC PAIN MANAGEMENT A. Yucel1, S. URLU1, Pain Management, Anadolu Hth. Ctr., Kocaeli, Turkey

PH 401 UNDERSTANDING THE EXPERIENCE OF PAIN IN HOSPITALISED CHILDREN THROUGH THERAPEUTIC PLAY. M. C. Moretti1, F. Russo1, F. A. Amorim1, F. P. Minson1, 1Pediatrics, Hosp. Albert Einstein, São Paulo, Brazil, 2Nursing, Hosp. Albert Einstein, São Paulo, Brazil, 3Anesthesiology, Hosp. Albert Einstein, São Paulo, Brazil

PH 402 REDUCED INTRATHECAL OPIOIDS DOSE ESCALATION IN FBSS PATIENTS BY CO-ADMINISTRATION OF BUPIVACAINE E. Veiziz1, S. Hayek1, S. Narouze2, N. Mekhall1, 1Pain Med., Anesthesiology, Case Western Reserve Univ., Univ. Hosp., Cleveland, OH, USA, 2Pain Management, Cleveland Clinic, Cleveland, OH, USA

PH 403 WHAT IS THE ROLE OF MINIMINVASIVE SPINAL SURGERY IN THE TREATMENT OF LOW BACK PAIN? A MULTIDISCIPLINARY ALGORITHMIC APPROACH C. Bonezzi1, M. Barbieri1, D. Guasti1, M. Ruini1, L. Paulin1, 1Pain Management Unit, Fondazione Salvatore Maugeri, Pavia, Italy, 2Spine Surgery, Casa di Cura Salus, Reggio Emilia, Italy

PH 404 TREATING 25 ELDERLY PATIENTS WITH MULTIPLE COMORBIDITIES USING INTERSPINUOUS PROCESS IMPLANTS (MLIF) FOR SEVERE LUMBAR SPONDYLOSIS WITH NO POSTOPERATIVE SURGICAL WOUND INFECTIONS S. Edelson1, H. Geisse1, S. Edelson1, J. Fleming, D. Edelson, South Palm OrthoSpine Inst., Delray Beach, FL, USA

PH 405 SAFETY OF INTRAVENOUS LIDOCAINE INFUSIONS FOR TREATMENT OF CHRONIC NEUROPATHIC PAIN A. Samosh, P. K. Morley-Forster, D. E. Moulin, K. Ower, J. T. Watson, Interdisciplinary Pain Program, Univ. of Western Ontario, London, ON, Canada

PH 406 USE OF LATER BRANCH COOL RADIOFREQUENCY NEUROTOMIES IN THE MANAGEMENT IN THE SACROILIAC JOINT PAIN M. H. Ather, Dept. of Pain Med. and Anesthesia, BHR Univ. Hosp. NHS Trust, Romford, United Kingdom

PH 407 A NEW TECHNIQUE FOR FLUOROSCOPIC GUIDED PIRIFORMIS INJECTION: A CASE REPORT OF SUCCESSFUL RELIEF OF PIRIFORMIS SYNDROME IN THE BOSTON VA HEALTHCARE SYSTEM S. Cheema1, L. Andina1, E. Michna1, 1Anesthesia and Critical Care, VA Boston Healthcare System, Boston, MA, USA, 2Brigham and Women’s Hosp., Boston, MA, USA

PH 408 VERTEBRAL AUTOТRATMENT TREATMENT VERSUS CT-GUIDED OXYGEN-OZONE INTRADISCAL INJECTION IN LOW BACK PAIN G. Tenze1, F. Ioppolo1, G. Brugno1, R. Rizzo1, G. Citterio5, L. Serra1, V. Santilli1, F. A. Sabat1, 1Emergency Dept., Intensive Care Unit, Policlinico Univ. Tor Vergata, Rome, Italy, 2Physical Med. and Rehabilitation Unit, Azienda Polifunzionale Umberto I Univ. La Sapienza, Rome, Italy, 3Physical Med. and Rehabilitation Clin. Ctr., Nomentana Hosp., Rome, Italy, 4Anesthesia, Intensive Care and Pain Care Dept., Policlinico Umberto I Univ. La Sapienza, Rome, Italy, 5OncoLogic Social Ctr., ASS 1, Pain Therapy Dept., Trieste, Italy

PH 409 THE PATIENT REGISTRY OF INTRATHECAL PAIN MANAGEMENT IN EUROPE (PRIME): STUDY DESIGN AND PATIENT BASELINE CHARACTERISTICS V. Tronnier1, A. VerDonck2, B. Kleinmann2, J. Störensen1, S. Eldabe1, H. G. Kress1, 1Univ. Hosp. of Schleswig-Holstein, Lübeck, Germany, 2Multidisciplinary Pain Ctr., AZ St. An, Belgium, 3Interdisciplinary Pain Ctr., Univ. Hosp. Freiburg, Freiburg, Germany, 4Univ. Hosp. Linköping, Linköping, Sweden, 5James Cook Hosp., Middlesbrough, United Kingdom, 6Med. Univ. Vienna, Vienna, Austria


PH 412 KETAMINE FOR REFRACTORY CRPS: A CASE SERIES REPORT F. B. Fukushima1, V. S. Lima1, E. I. Vidal1, M. Borges1, A. G. Barros1, 1Anesthesiology, UNESP , São Paulo, Brazil, 2Geriatriy, Hosp. Israelita Albert Einstein, São Paulo, Brazil, 3Anesthesiology, ICESP, São Paulo, Brazil

PH 413 SYSTEMIC PIOGLITAZONE ACTS AT PPAR GAMMA TO INHIBIT THE DEVELOPMENT AND MAINTENANCE OF NEUROPATHIC PAIN L. Morgenweck1, R. R. Donahue2, A. C. New1, B. K. Taylor2, 1Neurosci., Tulane Univ., New Orleans, LA, USA, 2Physiology, Univ. of Kentucky, Lexington, KY, USA

PH 414 MULTI-DAY LOW DOSE KETAMINE INFUSION ADJUVANT TO ORAL GABAPENTIN IN SPINAL CORD INJURY RELATED CHRONIC PAIN V. M. Amr, Anesthesia and Pain Relief, Tanta Univ., Tanta, Egypt

PH 415 A RANDOMIZED CONTROLLED TRIAL OF 24% SUCROSE AS ANALGESIA IN NEONATES RECEIVING VENIPUNCTURE IN NEONATAL UNITS M. G. Ravichandran1, M. Vatsa2, 1Pediatric Nursing, PSG Coll. of Nursing, Coimbatore, India, 2Principal Coll. of Nursing, All India Inst. of Med. Sci., New Delhi, India

PH 416 SINGLE DOSE GABAPENTIN IN REDUCTION OF POSTOPERATIVE PAIN A. Yaghooti, M. Panah Khahi, S. Marashi, Anesthesia & critical care, Tehran Univ. of Med. Sci., Tehran, Iran, Islamic Republic of

PH 417 SHORT-TERM PREVENTIVE ANALGESIA OF PERIORBITAL KETAMINE IN HEMORRHOIDECTOMY C. Kung, Hsin-Chu Gen. Hosp., Dept. of Hth., The Executive Yuan, Hsin-Chu, Taiwan

PH 419 CLINICAL EXPERIENCE IN POST-ORTHOPEDIC SURGERY CHRONIC PAIN WITH 5% LIDOCAINE MEDICATED PLASTER M. Neyez1, C. Delemer1, V. Legout2, R. Deleens3, D. Moysei4, Centre Douleur St Etienne, St Etienne, France, 1Reseau Basse Normandie, Caen, France, 2Grunenthal Pharmaceuticals, La Jolla, CA, USA

PH 420 EFFICACY AND SAFETY OF KETOPROFEN 10% CREAM IN THE TREATMENT OF PAIN ASSOCIATED WITH ACUTE SOFT TISSUE INJURIES (PHASE 3 STUDY TDLP-110001) E. F. Ekman1, N. Skrempnik2, M. Jones3, K. Lawson4, J. F. Schuppi5, Southern Orthopaedic Sports Med., Columbia, SC, USA, 1Tucson Orthopedic Inst., Tucson, AZ, USA, 2Cato Res., Durham, NC, USA, 3PDP, Inc., Austin, TX, USA, 4Transdel Pharmaceuticals, La Jolla, CA, USA

PH 421 MANAGEMENT OF CRPS TYPE 1 WITH ONLY 5% LIDOCAINE PH 423


PH 423 SUCCESSFUL LONG TIME EPIDURAL ANALGESIA WITH HIGH DOSES OF MORPHINE AND ROPIVACAINE FOR INTRACTABLE PAIN IN A YOUNG PATIENT WITH AN AGGRESSIVE DESMOID TUMOUR D. Dupiron1, H. Merad2, O. Brenet3, S. De Bourmont1, O. Capitain4, G. Llorimier1, 1Anesthesie-Douleur, Ctr. regional de lutte contre le cancer Paul Papin, Angers, France, 2Oncologie Med., Ctr. regional de lutte contre le cancer Paul Papin, Angers, France, 3Oncologie chirurgicale, Ctr. regional de lutte contre le cancer Paul Papin, Angers, France

PH 424 SUBARACHNOID CLONIDINE FOR TREATMENT OF CENTRAL NEUROPATHIC PAIN TWENTY-FOUR YEARS AFTER SPINAL CORD INJURY: A CASE REPORT G. Papadopoulos1, P. Tzimas2, A. Zigounis3, G. Voulgaris1, M. Karanikolas2, 1Anaesthesiology and Critical Care, Univ. of Ioannina, Ioannina, Greece, 2Anesthesiology and Critical Care, Univ. of Patras, Rion, Greece

PH 425 FOURTEEN YEARS OF EXPERIENCE WITH INTRATHECAL MIDAZOLAM IN CHRONIC LOW BACK PAIN: 459 ADMINISTRATIONS J. Prochazka, Central ICU, Masaryk Hosp., Usti nad Labem, Czech Republic

PH 428 IS SHAM LASER A VALID CONTROL PROTOCOL FOR ACUPUNCTURE TRIALS? J. Fleckenstein1, P. Baeumer2, N. Salih3, M. Offenbaecher4, D. Imich5, 1Multidisciplinary Pain Ctr., Dept. of Anaesthesiology, Univ. of Munich, Munich, Germany, 2Dept. of Pediatrics, Staatstisches Klinikum City of Munich, Munich, Germany, 3Physical Med., Rehabilitation and Prevention, Private Practice, Munich, Germany

PH 429 EFFECTIVENESS OF AN OPEN LABEL STUDY WITH ACUPUNCTURE IN PATIENTS WITH CHRONIC PAIN IN AN INTERDISCIPLINARY PAIN CENTER BASED IN A UNIVERSITY SETTING IN SOUTH AMERICA H. Hyodo1, T. R. Zakka2, C. Malmegnin3, J. Yamashiro1, F. M. Nakamura1, D. Toledio1, T. Y. Lin2, M. J. Teixeira3, Pain Ctr., Physical Med. Div., Orthopedics Dept., Univ. of São Paulo, São Paulo, Brazil


PH 431 DEQI (NEEDLING SENSATION): IT’S JUST IN OUR HEAD P. L. Bäumler1, J. Fleckenstein, N. Salih, D. Imich, Dept. of Anaesthesiology, Univ. of Munich, Multidisciplinary Pain Ctr, Munich, Germany

PH 432 DEVELOPMENT OF AN INTERNET-BASED COGNITIVE-BEHAVIORAL INTERVENTION FOR NON-SPECIFIC CHRONIC PAIN M. J. de Bode1, G. J. Verstegen2, M. van Wijhe3, M. M. Struyfs2, 1Pain Ctr., Dept. of Anaesthesiology, Univ. Med. Ctr. Groningen, Univ. of Groningen, Groningen, Netherlands, 2Dept. of Anaesthesiology, Med. Ctr. Groningen, Univ. of Groningen, Groningen, Netherlands

PH 433 GROUP COGNITIVE THERAPY WITH ANYLOSING SPONDYLOSIS PATIENTS IN AN INDIAN CONTEXT M. Mehta1, A. Dhal, Psychiatry, All India Inst. of Med. Sci., New Delhi, India

PH 434 CHANGES IN PAIN ACCEPTANCE MEDIATE OUTCOMES PREDICTED BY CATASTROPHIZING AND FEAR: REVISION OF THE FEAR AVOIDANCE MODEL G. A. Tkachuk1, M. Woods2, 1Dept. of Clinical Hlth. Psychology, Univ. of Manitoba, Winnipeg, MB, Canada, 2Chronic Pain Ctr., Saskatoon City Hosp., Saskatoon, SK, Canada

PH 435 SPEED-WALKING: EVALUATION OF A STRATEGY TO REDUCE FEAR/AVOIDANCE BELIEFS AND LEARNED PAIN BEHAVIOR IN PATIENTS WITH CHRONIC NONCANCER PAIN A. J. Guck1, G. C. Siracusano2, T. P. Guck3, 1Dept. of Psychology, Univ. of Nebraska-Omaha, Omaha, NE, USA, 2Pain Management Ctr., Univ. of Nebraska Med. Ctr., Omaha, NE, USA, 3Family Med., Creighton Univ. Sch. of Med., Omaha, NE, USA

PH 436 A COMPARISON OF CLINICAL IMPROVEMENT AND RETURN-TO-WORK OUTCOMES IN CLIENTS WITH CHRONIC MUSCULOSKELETAL PAIN AND FIBROMYALGIA FOLLOWING PARTICIPATION IN A LIFE-ROLE RE-INTEGRATION PROGRAM T. Elling1, H. Adams2, D. Sullivan3, 1Ctr. for Rehabilitation and Hlth., Etiobicoke, ON, Canada, 2McGill Univ. Hlth. Ctr., Montreal, QC, Canada, 3McGill Univ., Montreal, QC, Canada

PH 437 ACCEPTANCE PREDICTS LEVELS OF PAIN-RELATED DISABILITY AND DISTRESS IN A CANADIAN PAIN MANAGEMENT CENTRE M. Bailly, G. Tkachuk, Clinical Hlth. Psychology, Univ. of Manitoba, Winnipeg, MB, Canada


PH 439 HYPERVIGILANCE FOR BODILY SENSATIONS: A NEW EXPERIMENTAL APPROACH L. Van Hulle, S. Van Damme, G. Crombez, Dept. of Experimental-Clinical and Hlth. Psychology, Ghent Univ., Ghent, Belgium

PH 440 ATTENTIONAL BIAS AND CATASTROPHIC THINKING ABOUT PAIN PREDICT FAILURE OF DISTRACTION D. M. Van Ryckegheem, G. Crombez, S. Van Damme, Dept. of Experimental, Clinical and Hlth. Psychology, Ghent Univ., Ghent, Belgium


PH 442 PAIN COMMUNICATION AND SELF-REPORTED ANALGESIC ADHERENCE IN CANCER PATIENTS R. Jacobsen1, C. Møldrup2, L. Christrup1,2, O. Hansen4, 1Dept. of Experimental-Clinical and Hlth. Psychology, Univ. of Copenhagen, Copenhagen, Denmark, 2Dept. of Pharmacology and Pharmacotherapy, Univ. of Copenhagen, Copenhagen, Denmark, 3Section for Acute Pain Management and Palliative Med., Rigshospitalet, Copenhagen, Denmark, 4Acute Pain Clinic, Holbaek Hosp., Holbaek, Denmark
PH 467 PHYSICAL AND SOCIAL PROFILE OF PATIENTS WITH CHRONIC MYOFASCIAL PAIN SYNDROME AT AN INTERDISCIPLINARY PAIN CENTER BASED IN AN UNIVERSITY SETTING IN SÃO PAULO: BRAZIL

PH 468 RAPID RECOVERY PROGRAMME, IS THIS THE WAY FORWARD TO IMPROVE OUTCOMES IN KNEE AND HIP ARTHROPLASTY, AN ACUTE PAIN TEAM EXPERIENCE FROM A DISTRICT GENERAL HOSPITAL IN UK? S. Kandikattu1, C. Messer1, D. Houlihan-Burne2, T. Box1, 1Anaesthetics and Pain Med., Hillingdon Hosp., London, United Kingdom, 2Dept. of Psychology, The Univ. of Texas at Arlington, Arlington, TX, USA

PH 469 THE COST-EFFECTIVENESS OF EARLY VERSUS DELAYED INTERDISCIPLINARY REHABILITATION FOR CHRONIC DISABLING OCCUPATIONAL MUSCULOSKELETAL DISORDERS: A MATCHED PROSPECTIVE COHORT STUDY B. R. Theodore1, R. J. Gatchel2, 1Dept. of Anesthesiology & Pain Med., Univ. of Washington, Seattle, WA, USA, 2Dept. of Psychology, The Univ. of Texas at Arlington, Arlington, TX, USA

PH 470 CUTTING THE BARBED WIRE IN TREATMENT OF CHRONIC PAIN: AN ANALYSIS OF PAIN MANAGEMENT IN INCARCERATED MALES V. Bokarius, F. J. Stass, Psychiatry, Atascadero State Hosp., Atascadero, CA, USA


PH 472 THE GROWING FIELD OF NEUROMODULATION R. Munson, S. Bishop, K. Kumar, Neuromodulation Clinic, Regina Gen. Hosp., Regina, SK, Canada

PH 473 INTERDISCIPLINARY TREATMENT OF PATIENTS WITH MULTIPLE SCLEROSIS AND CHRONIC PAIN: A DESCRIPTIVE STUDY A. B. Sullivan1, J. Scheman2, J. Hartman3, 1Mellen Ctr. for Multiple Sclerosis, Cleveland Clinic, Cleveland, OH, USA, 2Pain Med., Cleveland Clinic, Cleveland, OH, USA

PH 474 RACIAL GROUP DIFFERENCES IN EMPATHIC ACCURACY AND DEPRESSIVE SYMPTOMS IN COUPLES WITH PAIN M. T. Leonard1, J. B. Issner2, A. Cano2, 1Behavioral Sci., Univ. of Michigan-Dearborn, Dearborn, MI, USA, 2Psychology, Wayne State Univ., Detroit, MI, USA

PH 475 PREDICTORS OF DEPRESSION IN A CHRONIC PAIN POPULATION IN MALAYSIA Z. J. Osman1, M. S. Cardosa2, 1Dept. of Psychiatry, Univ. Putra Malaysia, Serdang, Malaysia, 2Dept. of Anaesthesiology, Selayang Hosp., Selayang, Malaysia


PH 477 MANAGEMENT OF ACUTE PROCEDURAL PAIN IN HOSPITALIZED CHILDREN ACROSS CANADA J. Yamada1, B. Stevens1, D. Harrison2, L. Abbott3, &. CIHR Team in Children’s Pain1, 1The Hosp. for Sick Children, Toronto, ON, Canada, 2Univ. of Toronto, Toronto, ON, Canada

PH 478 COGNITIVE AND BEHAVIORAL REACTIONS TO PEDIATRIC FUNCTIONAL ABDOMINAL PAIN: PARENT VS. CHILD S. M. van der Veek1, H. H. Derkx2, E. de Haan1, M. A. Benninga2, F. Boer1, 1Child and Adolescent Psychiatry, Academic Med. Ctr./De Bascul, Amsterdam, Netherlands, 2Pediatric Psychosocial Dept., Emma Children’s Hosp., Amsterdam, Netherlands, 3Pediatric Gastroenterology Emma Children’s Hosp., Academic Med. Ctr., Amsterdam, Netherlands

PH 479 A RANDOMIZED SHAM-CONTROLLED TRIAL OF SCIATIC NERVE NEUROMODULATION IN PAINFUL DIABETIC PERIPHERAL NEUROPATHY: UTRN-02084127-2001200876203 P. S. Kumar1, P. Adhikari2, M. M. Prabh1, 1Dept. of Physiotherapy, Kasturba Med. Coll. (Manipal Univ.), Mangalore, India, 2Dept. of Med., Kasturba Med. Coll. (Manipal Univ.), Mangalore, India, 3Sri Ramashakti Mission Charitable Trust and Hosp., Shakti Nagar, Mangalore, India
PH 480 THE EFFECTS OF PULSED ULTRASOUND ON PAIN AND RANGE OF MOTION IN DELAYED ONSET MUSCLE SORENESS R. E. Parker, Sch. of Hlth. and Rehabilitation Sci., Univ. of Cape Town, Observatory, South Africa

PH 481 DEVELOPMENT OF TOLERANCE TO REPEATED LOW AND HIGH FREQUENCY TRANSCUTANEOUS ELECTRICAL NERVE STIMULATION (TENS) IN HUMANS R. E. Liebano1, C. Vance1, D. M. Walsh1, B. Rakel2, K. A. Sluka1, 1Physical Therapy, Univ. Cidade de Sao Paulo, Sao Paulo, SP, Brazil, 2Physical Therapy, Univ. of Iowa, Iowa City, IA, USA, 3Hlth. and Rehabilitation Sci. Res. Inst., Univ. of Ulster, Newtownabbey, United Kingdom, 4Coll. of Nursing, Univ. of Iowa, Iowa City, IA, USA


PH 483 MANUAL THERAPY AND EXERCISE FOR NECK PAIN J. Miller1, A. Gross2, J. D’Sylva1, S. Burm1, C. Goldsmith1, N. Graham1, T. Haines2, G. Bronfort3, J. Hoving4, 1Sch. of Rehabilitation Sci., McMaster Univ., Hamilton, ON, Canada, 2Dept. of Clinical Epidemiology and Biostatistics, McMaster Univ., Hamilton, ON, Canada, 3Canadian Mem. Chiropractic Coll., Toronto, ON, Canada, 4Wolfe-Harris Ctr. for Clinical Studies, Northwestern Hlth. Sci. Univ., Bloomington, MN, USA, 5Coronel Inst. of Occupational Hlth. and Res. Ctr. for Insurance Med., Univ. of Amsterdam, Amsterdam, Netherlands, 6Academic Med. Ctr., Univ. of Amsterdam, Amsterdam, Netherlands

PH 484 CAN PLACEBO ANALGESIA OCCUR DURING SLEEP? D. Laverdure-Dupont1, P. Rainville2, J. Montplaisir3, G. Lavigne2, 1Sci. Neurologiques, Univ. de Montréal, Montréal, QC, Canada, 2Stomatologie, Univ. de Montréal, Montréal, QC, Canada, 3Ctr. d’étude du sommeil et des rythmes biologiques, Univ. de Montréal, Montréal, QC, Canada


PH 486 PLACEBO EFFECTS IN THE CONTEXT OF INTERVENTIONAL TREATMENT FOR CHRONIC LOW BACK PAIN D. G. Finnie1, M. K. Nicholas1, C. Broker1, M. J. Cousins1, F. Benedetti2, 1Univ. of Sydney Pain Management and Res. Inst., Royal North Shore Hosp., Sydney, Australia, 2Dept. of Neurosci., Clinical and Applied Physiology Program, Univ. of Turin Med. Sch., Turin, Italy

PH 487 EMPATHY FOR PAIN: BRAIN PROCESSING OF SENSORY AND AFFECTIVE CUES DURING PAIN OBSERVATION A. M. Gonzalez-Roldan, M. Martinez-Jauand, N. Sanchez-Nacher, M. A. Muñoz, C. Sitges, I. Cifre, P. Montoya, Psychology, Univ. of Balearic Islands, Palma de Mallorca, Spain

PH 488 PROGRAMME ACCORD: RELATIONSHIP SATISFACTION, QUALITY OF LIFE, AND PSYCHOLOGICAL STATUS AMONG PARTNERS OF PATIENTS WITH FIBROMYALGIA F. Laguex1,2, P. Bourgault1,3, A. Lacasse1, C. Cloutier1, D. Dior1, S. Marchand2, M. Choinère3, 1Centres de services communautaires, CHUL, Québec, Canada, 2Clinique de la douleur, Ctr. Hosp. de Québec (CHUS), Sherbrooke, QC, Canada, 3Dept. de Med. et des Sci. de la santé, Univ. de Sherbrooke, Sherbrooke, QC, Canada, 4Ecole des Sci. infirmières, Univ. de Sherbrooke, Sherbrooke, QC, Canada, 5Dept. des Sci. de la santé, Univ. du Québec en Abitibi-Témiscamingue (UQAT), Rouyn-Noranda, QC, Canada, 6Dept. de neurochirurgie, Univ. de Sherbrooke, Faculté de médecine et des sciences de la santé, Sherbrooke, QC, Canada, 7Ctr. de recherche du Ctr. Hosp. de l’Univ. de Montréal (CRCHUM), Montréal, QC, Canada, 8Ctr. de recherche clinique Étienne-Le Bel du Ctr. Hosp. Univ. de Sherbrooke (CHUS), Sherbrooke, QC, Canada, 9Ctr. d’anesthésiologie, Faculté de médecine, Univ. de Montréal, Montréal, QC, Canada

PH 489 CHRONIC PAIN AND MULTIPLE SCLEROSIS: ARE GENERIC PAIN MANAGEMENT PROGRAMMES EFFECTIVE? K. Mathews, A. Rose, NHS, Liverpool, United Kingdom
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Louisa Jones, former executive officer of IASP, has recently written a special limited-edition book recounting IASP’s early years through 1984. The book will be available on a first-come, first-served basis at the IASP exhibition booth (Booth 1703) and at the Liebeskind History of Pain Collection booth (Booth 2621).
Author Index

Legend

DL: Distinguished Lecture (plenary)
PH: Poster Session – Thursday
PL: Plenary Lecture
PM: Poster Session – Monday
PT: Poster Session – Tuesday
PW: Poster Session – Wednesday
RC: Refresher Course
TS: Topical Symposia
TW: Topical Workshop

Bold indicates presenting author or session speaker.
### Author Index

**Legend**
- DL: Distinguished Lecture (plenary)
- PH: Poster Session – Thursday
- PL: Plenary Lecture
- PM: Poster Session – Monday
- PT: Poster Session – Tuesday
- PW: Poster Session – Wednesday
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- TS: Topical Symposia
- TW: Topical Workshop

**Bold indicates presenting author or session speaker.**

<table>
<thead>
<tr>
<th>Author</th>
<th>Sessions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aalto, S., PT 239</td>
<td></td>
</tr>
<tr>
<td>Aarden, E., PW 026</td>
<td></td>
</tr>
<tr>
<td>Aasvang, E. K., PH 219</td>
<td></td>
</tr>
<tr>
<td>Abassi, A., PM 404</td>
<td></td>
</tr>
<tr>
<td>Abbott, L., PH 477</td>
<td></td>
</tr>
<tr>
<td>Abe, S., PH 313</td>
<td></td>
</tr>
<tr>
<td>Abeloo, L., PW 458</td>
<td></td>
</tr>
<tr>
<td>Aboelhusein, A. K., PM 085</td>
<td></td>
</tr>
<tr>
<td>Abou Hanna, L., PH 418</td>
<td></td>
</tr>
<tr>
<td>Abou Zeid, H., PH 418</td>
<td></td>
</tr>
<tr>
<td>Acosta, C. G., PW 151, PM 152</td>
<td></td>
</tr>
<tr>
<td>Acosta García, D., PW 365</td>
<td></td>
</tr>
<tr>
<td>Acuña, R., PH 040</td>
<td></td>
</tr>
<tr>
<td>Adedoyin, A. R., PT 475</td>
<td></td>
</tr>
<tr>
<td>Adam, A., PT 171</td>
<td></td>
</tr>
<tr>
<td>Adam, F., PW 216</td>
<td></td>
</tr>
<tr>
<td>Adamec, C., PH 455</td>
<td></td>
</tr>
<tr>
<td>Adams, H., PH 436, PT 475</td>
<td></td>
</tr>
<tr>
<td>Adams-Webber, T., PW 030</td>
<td></td>
</tr>
<tr>
<td>Adas, S., PH 257</td>
<td></td>
</tr>
<tr>
<td>Adhikari, P., PH 479</td>
<td></td>
</tr>
<tr>
<td>Adnet, F., PW 040, PW 044</td>
<td></td>
</tr>
<tr>
<td>Aeschlimann, A., PT 020, PT 162</td>
<td></td>
</tr>
<tr>
<td>Afari, N., PW 032</td>
<td></td>
</tr>
<tr>
<td>Affaitati, G., PM 093</td>
<td></td>
</tr>
<tr>
<td>Afu,Eek, R., PM 014</td>
<td></td>
</tr>
<tr>
<td>Abusade, N., PH 343</td>
<td></td>
</tr>
<tr>
<td>Abzianidze, E., PH 206</td>
<td></td>
</tr>
<tr>
<td>Al, S., PW 278</td>
<td></td>
</tr>
<tr>
<td>Al, Z., PH 070</td>
<td></td>
</tr>
<tr>
<td>Ali, T., PT 266</td>
<td></td>
</tr>
<tr>
<td>Ali, Z., PH 277</td>
<td></td>
</tr>
<tr>
<td>Al-Dehesh, R., PH 322</td>
<td></td>
</tr>
<tr>
<td>Ailiaga, M., PM 342</td>
<td></td>
</tr>
<tr>
<td>Ailee, B., PH 396</td>
<td></td>
</tr>
<tr>
<td>Alkaisy, A., PM 364, PM 366</td>
<td></td>
</tr>
<tr>
<td>Alzam, A., PH 411</td>
<td></td>
</tr>
<tr>
<td>Alchorne, A. J., PH 181, PH 188, PH 180</td>
<td></td>
</tr>
<tr>
<td>Alcock, N., PH 126</td>
<td></td>
</tr>
<tr>
<td>Allen, C. E., PT 315</td>
<td></td>
</tr>
<tr>
<td>Allen, G. V., PT 180</td>
<td></td>
</tr>
<tr>
<td>Allen, L. B., PT 053</td>
<td></td>
</tr>
<tr>
<td>Allen, M. W., PW 337</td>
<td></td>
</tr>
<tr>
<td>Allain, R. K., PW 036</td>
<td></td>
</tr>
<tr>
<td>Allen, S., PH 317, PT 321</td>
<td></td>
</tr>
<tr>
<td>Allbone, E., PH 001</td>
<td></td>
</tr>
<tr>
<td>Allou, A., PM 150</td>
<td></td>
</tr>
<tr>
<td>Alvin, R., PH 011</td>
<td></td>
</tr>
<tr>
<td>Almeida, A., PH 307, PM 060, PH 278</td>
<td></td>
</tr>
<tr>
<td>Almeida, R. T., PT 224</td>
<td></td>
</tr>
<tr>
<td>Alqaydah, A. F., PM 489</td>
<td></td>
</tr>
<tr>
<td>Alter, G., PT 203</td>
<td></td>
</tr>
<tr>
<td>Althaus, A., PH 053</td>
<td></td>
</tr>
<tr>
<td>Altiss, K., PH 246</td>
<td></td>
</tr>
<tr>
<td>Altman, W., PH 026</td>
<td></td>
</tr>
<tr>
<td>Alvarez, A. G., PH 125</td>
<td></td>
</tr>
<tr>
<td>Alves, B., PH 105</td>
<td></td>
</tr>
<tr>
<td>Alvin, M. D., PM 084</td>
<td></td>
</tr>
<tr>
<td>Amanor-Boadu, S. D., PW 467, PT 345</td>
<td></td>
</tr>
<tr>
<td>Amanuel, L., PH 376</td>
<td></td>
</tr>
<tr>
<td>Amaral, A. C., PW 049</td>
<td></td>
</tr>
<tr>
<td>Amaral, L., PH 112</td>
<td></td>
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<tr>
<td>Amarasena, I. L., PH 334</td>
<td></td>
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<tr>
<td>Amari, R., PH 061</td>
<td></td>
</tr>
<tr>
<td>Amata, A. O., PH 126, PH 422</td>
<td></td>
</tr>
<tr>
<td>Amato, A., PH 187</td>
<td></td>
</tr>
<tr>
<td>Amaya, F., PH 211, PH 147, PT 161, PT 279</td>
<td></td>
</tr>
<tr>
<td>Amaya, M. I., PH 167</td>
<td></td>
</tr>
<tr>
<td>Ambler, N., PW 131</td>
<td></td>
</tr>
<tr>
<td>Ambriz-Tututi, M., PH 195, PT 303</td>
<td></td>
</tr>
<tr>
<td>Ambrose, K., PT 070</td>
<td></td>
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<tr>
<td>Ameer, L., PW 040</td>
<td></td>
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<tr>
<td>Amira, A. A., PM 036</td>
<td></td>
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<tr>
<td>Amisi Bibonge, E., PT 423</td>
<td></td>
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<tr>
<td>Amodeo, F. S., PW 332</td>
<td></td>
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<tr>
<td>Amorim, D., PW 278</td>
<td></td>
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<tr>
<td>Amorim, D., PT 483</td>
<td></td>
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<tr>
<td>Amorim, F. A., PH 401</td>
<td></td>
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<tr>
<td>Amorim, N. F., PT 483</td>
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<td>Amr, Y. M., PH 414</td>
<td></td>
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<tr>
<td>Amris, K., PH 087, PW 092</td>
<td></td>
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<tr>
<td>Amsel, R., PT 121</td>
<td></td>
</tr>
<tr>
<td>An, K., PH 487</td>
<td></td>
</tr>
<tr>
<td>Anand, A. S., PM 088</td>
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<tr>
<td>Anastasi, F., PH 337</td>
<td></td>
</tr>
<tr>
<td>Ancey, C., PT 366</td>
<td></td>
</tr>
<tr>
<td>Andersen, A., PW 304</td>
<td></td>
</tr>
<tr>
<td>Anderson, C., PW 304, PW 367, PW 368</td>
<td></td>
</tr>
<tr>
<td>Anderson, G., PH 043</td>
<td></td>
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<tr>
<td>Anderson, K. V., PW 037</td>
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<tr>
<td>Andersen, O. K., PH 288, PT 214, PT 267, PT 293, PT 302, PW 304, TW 38</td>
<td></td>
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<tr>
<td>Andersen, S., PW 072</td>
<td></td>
</tr>
<tr>
<td>Andersen, C. E., PM 260, PW 283</td>
<td></td>
</tr>
<tr>
<td>Andersen, C. R., PW 319</td>
<td></td>
</tr>
<tr>
<td>Anderson, D. J., PT 166, PW 285</td>
<td></td>
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<tr>
<td>Anderson, G., PH 019</td>
<td></td>
</tr>
<tr>
<td>Anderson, L., PT 374</td>
<td></td>
</tr>
<tr>
<td>Anderson, M. B., PW 282</td>
<td></td>
</tr>
<tr>
<td>Anderson, W. B., PW 293, PW 283</td>
<td></td>
</tr>
<tr>
<td>Andima, L., PH 407</td>
<td></td>
</tr>
<tr>
<td>Andoh, T., PW 183</td>
<td></td>
</tr>
<tr>
<td>Andrade, A. A., PM 067, PT 066, PT 346</td>
<td></td>
</tr>
<tr>
<td>Andrade, P. R., PT 468</td>
<td></td>
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<tr>
<td>André, F., PW 368, PW 412</td>
<td></td>
</tr>
<tr>
<td>Andresen, T., PT 331</td>
<td></td>
</tr>
<tr>
<td>Andrews, N., PW 192, PT 190</td>
<td></td>
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<tr>
<td>Andrews, S. W., PH 378, PT 275</td>
<td></td>
</tr>
<tr>
<td>Angeby Möller, K., PT 177, PW 191, PW 375</td>
<td></td>
</tr>
<tr>
<td>Angioni, C., PH 246</td>
<td></td>
</tr>
<tr>
<td>Angst, F., PT 020</td>
<td></td>
</tr>
<tr>
<td>Angst, M. S., PH 024, PW 386, PM 376</td>
<td></td>
</tr>
<tr>
<td>Annequin, D., PH 051</td>
<td></td>
</tr>
<tr>
<td>Ansah, O. B., PW 227, PT 204</td>
<td></td>
</tr>
<tr>
<td>Anseloni, V., PT 072</td>
<td></td>
</tr>
<tr>
<td>Anstrom, W. L., PH 079</td>
<td></td>
</tr>
<tr>
<td>Anton, F., PM 488</td>
<td></td>
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<tr>
<td>Antonini, S. R., PH 115</td>
<td></td>
</tr>
<tr>
<td>Aoki, K. R., PH 271</td>
<td></td>
</tr>
<tr>
<td>Aouad, M., PT 222</td>
<td></td>
</tr>
<tr>
<td>Apiou, G., PM 331</td>
<td></td>
</tr>
<tr>
<td>Apkarian, A. V., PH 071, PW 12, PM 082, PM 084, PT 236, PT 240,</td>
<td></td>
</tr>
<tr>
<td>Appolinario, J. C., PM 054, PT 052</td>
<td></td>
</tr>
<tr>
<td>Araki, K., PW 102</td>
<td></td>
</tr>
<tr>
<td>Araki, Y. P., PW 189</td>
<td></td>
</tr>
<tr>
<td>Araki, K., PW 411</td>
<td></td>
</tr>
<tr>
<td>Araldi, D., PW 155</td>
<td></td>
</tr>
<tr>
<td>Arap, A., PW 108</td>
<td></td>
</tr>
<tr>
<td>Araujo, A. M., PH 465</td>
<td></td>
</tr>
<tr>
<td>Araujo, V. P., PM 104, PT 399</td>
<td></td>
</tr>
<tr>
<td>Araújo-Saoreas, V., PM 060</td>
<td></td>
</tr>
<tr>
<td>Arbaiza, D., PW 400</td>
<td></td>
</tr>
<tr>
<td>Arber, S., PW 281</td>
<td></td>
</tr>
<tr>
<td>Arbour, C., PM 007, PM 443</td>
<td></td>
</tr>
<tr>
<td>Arcangeli, P., PW 328</td>
<td></td>
</tr>
<tr>
<td>Archambault, A. J., PH 190, PW 370</td>
<td></td>
</tr>
<tr>
<td>Archambault, M., PW 351</td>
<td></td>
</tr>
<tr>
<td>Arid, D., PM 342, PT 316, PW 185</td>
<td></td>
</tr>
<tr>
<td>Arendt-Nielsen, L., PH 068, PH 076, PH 228, PH 247, PH 276, PM 070, PH 071, PW 216, PH 264, PW 431, PT 081, PT 214, PT 251, PT 267, PT 274, PW 282, PT 302, PT 310, PT 331, PW 090, RC 04, TW 54</td>
<td></td>
</tr>
<tr>
<td>Aretha, D., PW 416</td>
<td></td>
</tr>
<tr>
<td>Argoiff, C. E., PT 391</td>
<td></td>
</tr>
<tr>
<td>Arimura, T., PT 447, PW 433, PW 434</td>
<td></td>
</tr>
<tr>
<td>Arinta, H., PT 029</td>
<td></td>
</tr>
<tr>
<td>Arita, E., PT 099</td>
<td></td>
</tr>
<tr>
<td>Arita, H., PH 010, PH 487, PM 030, PT 030</td>
<td></td>
</tr>
<tr>
<td>Ariyawardana, S. P., PM 107, PW 038</td>
<td></td>
</tr>
<tr>
<td>Armijo-olivo, S. L., PW 009, PW 483</td>
<td></td>
</tr>
<tr>
<td>Armstrong, S., PH 141</td>
<td></td>
</tr>
<tr>
<td>Armstrong, S. R., PW 262</td>
<td></td>
</tr>
<tr>
<td>Arnaout, M., PT 412</td>
<td></td>
</tr>
<tr>
<td>Arne, G., PW 206</td>
<td></td>
</tr>
<tr>
<td>Arning, K., PW 028</td>
<td></td>
</tr>
<tr>
<td>Arnold, C., PW 117, PW 470, TW 26</td>
<td></td>
</tr>
<tr>
<td>Arnold, L. M., PH 093, PT 089</td>
<td></td>
</tr>
<tr>
<td>Arnulf, I., PT 098</td>
<td></td>
</tr>
<tr>
<td>Arora, V., PM 261</td>
<td></td>
</tr>
</tbody>
</table>
Author Index

Preissler, S., PM 405
Prescott, G. J., PW 034
Pretty, D., PW 133
Prevost, S. S., PM 125
Price, D. D., TS 19
Price, R. H., PW 243
Price, T. J., PW 285, PT 295, PW 172, TS 69
Prinzo, R., PW 055
Quirion, R., PM 162
Quintans Jr, L. J., PH 465
Quinlan, J.,
Quiding, H.,
Prinzo, R. S.,
Price, T. J.,
Price, D. D.,
Prevost, S. S., PM 125
Pretty, D., PW 133
Prescott, G. J., PW 034
Preissler, S., PM 405
Quick, K.,

Qiao, Y., PM 376, PW 284
Qin, C., PM 275, PM 301
Qizilbash, B., PH 002
Qu, L., PM 170
Quackenbush, M., PM 005
Quedafalg, C., PT 260
Quagebeur, G., PM 368, PT 273
Quaedflieg, C., PT 260
Quackenbush, D., PM 005
Qu, L., PM 170
Qizilbash, B., PH 002

Qub, D., PM 228
Quenepatoh, R. A., PT 391
Puente, M., PH 343
Puayredon, J. H., PW 458
Pühlhorn, P., PH 484, PM 346, PW 439
Raja, S. N., PT 299, TW 34
Rajabzadeh Kanafi, A., PW 067
Rajagopal, M. R., PT 347, TW 57
Rajagopal, R. R., PT 332
Rajamani, S., PH 153
Rakel, B. A., PH 079, PW 278,

Robert, R., PW 366
Robert, M., PW 386
Robertson, D. C., PH 249
Robertson, D., PW 070
Roberts, J., PW 414
Robert, M., PW 386
Rocks, S., PM 331
Roca, R. O.,
Rockey, A. G.,
Robinson, M. E., PM 446, PM 470
Robinson, J., PM 063, PM 438
Robinson, D. R., PT 165, PW 226
Robertson, S., PT 337, PW 334
Roditi, D.,
Rodin, G., PH 122, PW 073
Roggenkamp, R. E., PH 023
Riggs, H., PW 133
Rigo, F. K., PH 252
Risafjik, M., PM 201
Riley, J. L., PT 221
Riley, P., PM 455
Riley III, J. L., PM 290
Ringkamp, M., PW 284, PW 282
Ringland, R., PW 125
Ringsted, K. T., PH 219
Rintamaki, H., PW 079
Rios, D., PT 489
Riolta, B., PW 067
Ririe, D. G., PH 283
Ristic, D., PW 258
Ritchie, J., PT 174
Ritter, C., PW 068
Ritter, H. L., PT 247
Rivals, I., PT 256
Rivard, J., PM 401
Rivard, M., PH 118
Rivera, J. V., PW 259
Rizzi, S. A., PT 363
Rizza, S., PM 111
Rizzo, R., PH 408
Rizzo, R. S., PH 337
Ro, J. Y., PH 152
Robbins, M. T., PH 316, PT 317, PW 317
Robert, M., PT 088, PH 331
Robert, M., PW 164
Robert, R., PW 366
Roberts, B., PW 117
Roberts, D., PW 398
Roberts, D. A., PM 009, PT 039
Roberts, J., PW 414
Robertson, D., PW 070
Robertson, D. C., PH 249, PM 252
Robertson, J., PW 252
Robertson, S., PT 337, PW 334
Robin, B., PM 459
Robinson, D. L., PM 291
Robertson, D. R., PT 165, PW 164
Robinson, J., PM 063, PM 438
Robinson, K., PM 470, PT 038
Robinson, M. E., PM 446, PM 495, PT 268
Robinson, P., PH 155, PW 313
Robinson, S., PM 004
Rocco, A. G., PH 081
Rocha, C., PH 358
Rocha, R. O., PT 359
Roche, M., PH 171, PW 196
Rochon, A., PH 002
Rochon, K., PW 165
Rod, K., PT 128
Rodin, G., PH 122, PW 073
Rodit, D., PM 446
<table>
<thead>
<tr>
<th>Author(s)</th>
<th>Page Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yang, X., PT 071, PM 275, PH 485</td>
<td></td>
</tr>
<tr>
<td>Yang, S., Yang, M., PT 320</td>
<td></td>
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<tr>
<td>Yang, L., PT 174</td>
<td></td>
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<tr>
<td>Yang, F., PH 383</td>
<td></td>
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<tr>
<td>Yang, C., PW 216</td>
<td></td>
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<tr>
<td>Yanai, K., PH 322</td>
<td></td>
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<tr>
<td>Yan, Z., PT 344</td>
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<tr>
<td>Yan, Y., PM 335</td>
<td></td>
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<tr>
<td>Yoon, S., PH 139</td>
<td></td>
</tr>
<tr>
<td>Yoon, M., PT 292</td>
<td></td>
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<tr>
<td>Yoon, K., PW 348</td>
<td></td>
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<tr>
<td>Yoon, M., PT 292</td>
<td></td>
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<tr>
<td>Yoon, S., PH 139</td>
<td></td>
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<tr>
<td>Yoon, D., PH 361</td>
<td></td>
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<tr>
<td>Yoon, K., PH 361</td>
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<tr>
<td>Yoon, K., PT 417</td>
<td></td>
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<tr>
<td>Yoon, S., PH 139</td>
<td></td>
</tr>
<tr>
<td>Yoon, T., PW 219</td>
<td></td>
</tr>
<tr>
<td>Yoon, Y., PW 269</td>
<td></td>
</tr>
<tr>
<td>Yoshida, A., PW 430</td>
<td></td>
</tr>
<tr>
<td>Yoshimoto, T., PW 102, PW 192</td>
<td></td>
</tr>
<tr>
<td>Yoshiba, S., PT 012</td>
<td></td>
</tr>
<tr>
<td>Yoshizawa, K., PH 272</td>
<td></td>
</tr>
<tr>
<td>Yosry, M., PM 395</td>
<td></td>
</tr>
<tr>
<td>Young, A., PH 267</td>
<td></td>
</tr>
<tr>
<td>Young, A. L., PT 144, PT 344</td>
<td></td>
</tr>
<tr>
<td>Young, A. M., PM 270</td>
<td></td>
</tr>
<tr>
<td>Young, C. A., PH 390</td>
<td></td>
</tr>
<tr>
<td>Young, M. A., PW 478</td>
<td></td>
</tr>
<tr>
<td>Young, T. J., PM 381, PW 372, PW 373</td>
<td></td>
</tr>
<tr>
<td>Younger, J. W., PH 265</td>
<td></td>
</tr>
<tr>
<td>Yoxen, J., PM 220</td>
<td></td>
</tr>
<tr>
<td>Yu, D., PH 327, PW 331</td>
<td></td>
</tr>
<tr>
<td>Yu, J., PT 011</td>
<td></td>
</tr>
<tr>
<td>Yu, S., PH 394</td>
<td></td>
</tr>
<tr>
<td>Yu, W., PW 368</td>
<td></td>
</tr>
<tr>
<td>Yu, X., PH 374</td>
<td></td>
</tr>
<tr>
<td>Yus, X. H., PH 379</td>
<td></td>
</tr>
<tr>
<td>Yucel, A., PH 400</td>
<td></td>
</tr>
<tr>
<td>Yudovich Burak, M., PT 332</td>
<td></td>
</tr>
<tr>
<td>Yue, Y., PT 140</td>
<td></td>
</tr>
<tr>
<td>Yumi, K., PM 202</td>
<td></td>
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<tr>
<td>Yuryev, A., PH 090</td>
<td></td>
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<tr>
<td>Zak, T. M., PM 122</td>
<td></td>
</tr>
<tr>
<td>Zabalia, M., PH 064</td>
<td></td>
</tr>
<tr>
<td>Zadina, J. E., PW 393</td>
<td></td>
</tr>
<tr>
<td>Zaffalon, G. T., PM 040, PT 108</td>
<td></td>
</tr>
<tr>
<td>Zago, M. B., PH 077</td>
<td></td>
</tr>
<tr>
<td>Zagorulko, O. P., PW 456</td>
<td></td>
</tr>
<tr>
<td>Zahreneno, A. J., PT 271</td>
<td></td>
</tr>
<tr>
<td>Zahn, P. K., PH 200, PM 246</td>
<td></td>
</tr>
<tr>
<td>Zakharov, I. Y., PW 085</td>
<td></td>
</tr>
<tr>
<td>Zakka, T. M., PH 467</td>
<td></td>
</tr>
<tr>
<td>Zakka, T. R., PH 429</td>
<td></td>
</tr>
<tr>
<td>Zakrzewska, J. M., PM 048, RC 07</td>
<td></td>
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<tr>
<td>Zaleski, E., PM 021</td>
<td></td>
</tr>
<tr>
<td>Zamanillo, D., PW 273, PW 274</td>
<td></td>
</tr>
<tr>
<td>Zambelli, V. O., PH 352, PW 267</td>
<td></td>
</tr>
<tr>
<td>Zambonini, D. S., PH 253</td>
<td></td>
</tr>
<tr>
<td>Zambreno, L., PW 232, PW 254</td>
<td></td>
</tr>
<tr>
<td>Zamaroa, A. K., PH 390</td>
<td></td>
</tr>
<tr>
<td>Zanette, G., PH 102</td>
<td></td>
</tr>
<tr>
<td>Zanfini, B. A., PT 218</td>
<td></td>
</tr>
<tr>
<td>Zanvri, P., PT 172</td>
<td></td>
</tr>
<tr>
<td>Zappuolli, A., PT 072</td>
<td></td>
</tr>
<tr>
<td>Zare, E., PH 441</td>
<td></td>
</tr>
<tr>
<td>Zaringhalam moghadam, J., PH 443, PH 445</td>
<td></td>
</tr>
<tr>
<td>Zaslawsny, R., PH 016, PM 014</td>
<td></td>
</tr>
<tr>
<td>Zauke, F., PH 172</td>
<td></td>
</tr>
<tr>
<td>Zauk, N. A., PT 275</td>
<td></td>
</tr>
<tr>
<td>Zavala, K., PW 156</td>
<td></td>
</tr>
<tr>
<td>Zavalka, O. P., PH 482</td>
<td></td>
</tr>
<tr>
<td>Zaykin, D., PT 090</td>
<td></td>
</tr>
<tr>
<td>Zeydan, F., PM 441</td>
<td></td>
</tr>
<tr>
<td>Zeigam, D., PM 259</td>
<td></td>
</tr>
<tr>
<td>Zeilhofer, H. U., PT 208, PT 209, PW 149, TS 56</td>
<td></td>
</tr>
<tr>
<td>Zelaya, F., PH 234, PT 057</td>
<td></td>
</tr>
<tr>
<td>Zeller, J., PW 093</td>
<td></td>
</tr>
<tr>
<td>Zeltzer, L. K., PT 053, PT 454</td>
<td></td>
</tr>
<tr>
<td>Zenz, M., PH 393</td>
<td></td>
</tr>
<tr>
<td>Zeppetella, J., PM 072</td>
<td></td>
</tr>
<tr>
<td>Zhang, G., PW 265</td>
<td></td>
</tr>
<tr>
<td>Zhang, H., PH 139, PH 327, PM 141., PW 331</td>
<td></td>
</tr>
<tr>
<td>Zhang, J., PH 145, PH 146, PH 306, PH 348, PT 141, PT 375, PW 306</td>
<td></td>
</tr>
<tr>
<td>Zhang, L., PT 194</td>
<td></td>
</tr>
<tr>
<td>Zhang, L. P., PT 466</td>
<td></td>
</tr>
<tr>
<td>Zhang, P., PM 170</td>
<td></td>
</tr>
<tr>
<td>Zhang, S., PM 032</td>
<td></td>
</tr>
<tr>
<td>Zhang, W., PT 194</td>
<td></td>
</tr>
<tr>
<td>Zhang, X., PW 393, PH 172</td>
<td></td>
</tr>
<tr>
<td>Zhang, Y., PT 151, PM 169, PH 187</td>
<td></td>
</tr>
<tr>
<td>Zhang, Z., PH 284, PT 284, PT 319</td>
<td></td>
</tr>
<tr>
<td>Zhao, J., PH 116, PM 160</td>
<td></td>
</tr>
<tr>
<td>Zhao, X., PM 171, PH 383</td>
<td></td>
</tr>
<tr>
<td>Zhao, Y., PM 309</td>
<td></td>
</tr>
<tr>
<td>Zhao, Y. Q., PH 145</td>
<td></td>
</tr>
<tr>
<td>Zhao, Z., PT 151</td>
<td></td>
</tr>
<tr>
<td>Zheng, F. Y., PW 095</td>
<td></td>
</tr>
<tr>
<td>Zheng, H., PW 097</td>
<td></td>
</tr>
<tr>
<td>Zheng, W., PM 146</td>
<td></td>
</tr>
<tr>
<td>Zheng, X., PM 146</td>
<td></td>
</tr>
<tr>
<td>Zheng, Y., PW 153</td>
<td></td>
</tr>
<tr>
<td>Zhou, J., PW 243</td>
<td></td>
</tr>
<tr>
<td>Zhou, L., PT 411</td>
<td></td>
</tr>
<tr>
<td>Zhou, X., PW 171</td>
<td></td>
</tr>
<tr>
<td>Zhou, Z., PH 140</td>
<td></td>
</tr>
<tr>
<td>Zhu, N., PM 142</td>
<td></td>
</tr>
<tr>
<td>Zhu, Y., PW 252</td>
<td></td>
</tr>
<tr>
<td>Zhuo, J., PT 241</td>
<td></td>
</tr>
<tr>
<td>Zicka, S., PM 149, PT 157</td>
<td></td>
</tr>
<tr>
<td>Zigouris, A., PH 424</td>
<td></td>
</tr>
<tr>
<td>Zimmeras, P., PM 114</td>
<td></td>
</tr>
<tr>
<td>Zimmermann, C., PW 073</td>
<td></td>
</tr>
<tr>
<td>Ziv, N. Y., PT 215</td>
<td></td>
</tr>
<tr>
<td>Zlobina, N., PT 021</td>
<td></td>
</tr>
<tr>
<td>Zollner, C., PH 158</td>
<td></td>
</tr>
<tr>
<td>Zuo, Y., PW 252</td>
<td></td>
</tr>
<tr>
<td>Zuo, X., PW 171</td>
<td></td>
</tr>
<tr>
<td>Zue, J., PT 072</td>
<td></td>
</tr>
<tr>
<td>Zucchi, R., PT 419</td>
<td></td>
</tr>
<tr>
<td>Zrek, N. N., PH 021, PH 471, PW 454</td>
<td></td>
</tr>
<tr>
<td>Zuccch, P., PT 419</td>
<td></td>
</tr>
<tr>
<td>Zuo, Y., PW 213</td>
<td></td>
</tr>
<tr>
<td>Zuzowski, M., PT 440</td>
<td></td>
</tr>
<tr>
<td>Zuzman, M., PM 248</td>
<td></td>
</tr>
<tr>
<td>Zuquorno, W. W., PT 265, PT 413, PM 360, PT 213</td>
<td></td>
</tr>
<tr>
<td>Zwakhalen, S. M., PT 006, PM 006</td>
<td></td>
</tr>
<tr>
<td>Zwart, J. A., PT 114</td>
<td></td>
</tr>
<tr>
<td>Zwarts, B., PT 439</td>
<td></td>
</tr>
<tr>
<td>Zyczkowski, J., PM 099</td>
<td></td>
</tr>
<tr>
<td>Zygmunt, P., PH 350, PH 351</td>
<td></td>
</tr>
</tbody>
</table>
Exhibitors and Sponsors Catalog
Exhibitor Index

ADD Technologies Ltd..................................................815
Alan Edwards Centre for Research on Pain
(McGill University)..........................................................2615
ALGO-MD........................................................................2511
Algos Preclinical Services, Inc........................................1720
American Pain Society..................................................2519
Archimedes Pharma Limited.........................................1903
Association des pharmaciens des
établissements de santé du Québec.................................2608
Astellas Pharma Europe Ltd..........................................411
Biofeedback Foundation of Europe................................2620
BIOSEB.................................................................1721
Biovolta Pharmaceuticals Canada.....................................403
Boston Scientific............................................................1115
Canadian Consortium for the
Investigation of Cannabinoids (CCIC)...............................2515
Canadian Pain Coalition..................................................2619
Canadian Pain Society....................................................2610
Centre universitaire de santé McGill/McGill
University Health Center..............................................2508
Cosman Medical..............................................................1815
CRF Health.....................................................................1621
DTI Diros Technology Inc..............................................2010
Eli Lilly and Company....................................................809
Elsevier...........................................................................2108
Equip Mediskey BV.........................................................602
FEDELAT (Federación Latinoamericana
de Asociaciones para el Estudio del Dolor).....................2521
14th World Congress on Pain -
Yokohama, Japan............................................................1701
Grunenthal GmbH..........................................................1409-1410
IITC Inc./Life Science.....................................................1401
Informational Materials Booth.......................................1501
InSightec Ltd.................................................................1101
Institute of Musculoskeletal
Health and Arthritis......................................................2614
International Association for the
Study of Pain (IASP).......................................................1703
International Association for the
Study of Pain (IASP) Chapters........................................1901
International Pain Education Program...........................2720
Internet café sponsored by Allergan Inc.........................1217
Internet café sponsored by Cephalon, Inc.......................614
Internet café sponsored by IASP....................................2205
Internet café sponsored by MERCK..............................914
Internet café sponsored by Nycomed, Inc......................1303
Internet café sponsored by Purdue Pharma L.P...............804
Journal of Opioid Management........................................2411
Kimberly-Clark Health Care..........................................1821
Lifetree Clinical Research..............................................817
LiteCure, LCC................................................................2008
Medoc Ltd....................................................................1421
Medtronic, Inc...............................................................609
MERCK.........................................................................1316
METRIS B.V...............................................................1820
Mundipharma International Limited..............................1001-1002
Mundipharma Pte Ltd....................................................603
Neuro Resource Group..................................................2014
NeuroTherm®...............................................................1215
Neurotron, Incorporated................................................1117
Ontario Pain Foundation................................................2714
Pain Medicine News.....................................................1909
Paladin Labs Inc..........................................................808
Pfizer Canada Inc...........................................................621
Pfizer, Inc.....................................................................1503
Premier Research Group Limited....................................1201
PriCara, Division of
Ortho-McNeil-Janssen Pharmaceuticals, Inc.............1521
ProStrakan, Inc.............................................................1403
Purdue Pharma..............................................................915
Purdue Pharma L.P.......................................................803
QRx Pharma.................................................................611
Quebec Association for Chronic Pain/
Association québécoise de la
douleur chronique (AQDC)...........................................2618
Quebec Pain Research Network (QPRN)........................2617
Recro Pharma Inc..........................................................708
Safari Impex....................................................................710
Sareptius Ltd.................................................................821
schwa-medico GmbH....................................................604
SOMEDIC AB..............................................................801
SonoSite, Inc.................................................................1204
SPIDERTECH™..........................................................2011
Springer.........................................................................2409
St. Jude Medical............................................................1609
Stoelting Co.................................................................1520
UCLA John F. Liebeskind History
of Pain Collection..........................................................2621
UGO BASILE S.R.L..........................................................1318
University of Washington, Seattle,
and U.W. Harborview Burn Center, Seattle..................2517
Valeant Canada limitée/Limited......................................1116
Wiley Blackwell............................................................2510
World Health Organization (WHO) and
WHOCC University of Wisconsin Carbone
Cancer Center...............................................................2509
13th World Congress on Pain - August 29th to September 2nd, 2010
Palais des Congrès de Montréal - Level 200
**ADD TECHNOLOGIES LTD.**  
**STAND: 815**

Drug delivery platforms and development services. ADD is an independent pharmaceutical service company for solid dosage forms based in Switzerland. We develop multi-particulate drug delivery systems i.e. extended release or time-release formulations, site-directed systems, oral dispersible tablets and fixed dose combinations for the treatment of pain.

www.addtechnologies.com

**ALAN EDWARDS CENTRE FOR RESEARCH ON PAIN (MCGILL UNIVERSITY)  
STAND: 2615**

The AECRP brings together basic and clinical researchers from McGill University to promote research that will result in cures for chronic pain. Through activities and international collaborations, the AECRP focuses on new discoveries and their clinical applications that will improve the prevention and treatment of chronic pain.

http://painresearchcenter.mcgill.ca/

**ALGO-MD**  
**STAND: 2511**

Algo-md specializes in the development of innovative and bold online training (e learning) sessions on the treatment of chronic pain. Our training programs are designed and developed in collaboration with some of the most experienced and renowned experts in the world—our goal: to create avant-garde training content and treatments.

www.algo-md.com

**ALGOS PRECLINICAL SERVICES, INC.  
STAND: 1720**

Algos is an independent contract research organization specializing in preclinical in vivo pain pharmacology (rats & mice) and program consulting. We provide expertise in experimental design, study execution, project management and data analysis. Our rigorous processes and dedicated team rapidly deliver reliable results critical to drug discovery and product development.

www.algosinc.com

**ALLERGAN, INC.  
SPONSOR OF INTERNET CAFÉ AT STAND 1217**

Allergan, Inc. is a multi-specialty health care company established 60 years ago with a commitment to develop and deliver innovative and meaningful treatments to help people reach their life’s potential. Allergan employs over 8,000 associates across 100+ countries, focused on several medical specialties including ophthalmology, neurosciences, obesity, urologics, medical aesthetics and dermatology.

www.allergan.com

**AMERICAN PAIN SOCIETY**  
**STAND: 2519**

The American Pain Society is a multidisciplinary community that brings together a diverse group of scientists, clinicians and other professionals to increase the knowledge of pain and transform public policy and clinical practice to reduce pain-related suffering.

www.ampainsoc.org

**ARCHIMEDES PHARMA LIMITED  
STAND: 1903  
SYMPOSIUM SPONSOR**

Archimedes Pharma is a global pharmaceutical company marketing an expanding portfolio of specialist products to Pain Specialists, Palliative Care Specialists and Oncologists. Archimedes drug developments during 2010 include the application of its world leading proprietary drug delivery technologies PecSys® and ChiSys® to proven molecules like fentanyl to maximise bioavailability and effectiveness and create a new generation of patient acceptable therapies to treat pain and breakthrough cancer pain.

www.archimedespharma.com

**ASSOCIATION DES PHARMACIENS DES ÉTABLISSEMENTS DE SANTÉ DU QUÉBEC**  
**STAND: 2608**

L’Association des pharmaciens des établissements de santé du Québec est un syndicat professionnel qui représente 1360 pharmaciens oeuvrant dans les établissements publics de santé du Québec. L'Association offre également des activités de formation, publie une revue scientifique ainsi que des guides de soins dont le Guide pratique des soins palliatifs.

The Association des pharmaciens des établissements de santé du Québec is a professional union which represents 1360 hospital pharmacists working in public healthcare facilities in the Province of Québec. The Association provides continuing education for pharmacists, and also publishes a scientific journal and care guides such as Care Beyond Cure.

www.apesquebec.org

**ASTELLAS PHARMA EUROPE LTD  
STAND: 411/  
SYMPOSIUM SPONSOR**

Astellas Pharma Europe Ltd. is a European subsidiary of Tokyo-based Astellas Pharma Inc., a pharmaceutical company dedicated to improving the health of people around the world through provision of innovative, reliable pharmaceutical products. Astellas is focused on five key therapy areas: Transplantation, Urology, Dermatology, Anti-Infectives, and most recently, Pain Management.

www.astellas-europe.co.uk
The Biofeedback Foundation of Europe sponsors education, training and research activities in biofeedback. The BFE supports the training of licensed and certified professionals to establish multidisciplinary teams of clinicians and researchers. These teams collect data in pilot studies, or International Research and Education Projects (IREP) around the world. For more information visit www.bfe.org.

www.bfe.org

BIOSEB develops equipment for in vivo preclinical research. Visit us at IASP 2010 and see our latest instruments, including Automated version of Dynamical Weight-Bearing for freely moving rodents, “Smalgo” small algometer, Temperature choice tests (T2CT and Gradient), Home Cage ActiV-Meter for long term experiments, and sensor-automated FST. Visit Bioseb for your instrument needs, pain, anxiety/depression and behaviour.

www.bioseb.com

Biovail Corporation develops medicines that provide meaningful benefits to people living with unmet medical needs, with a focus on disorders of the central nervous system. Biovail Pharmaceuticals Canada promotes medications to physicians for the treatment of hypertension, depression, chronic pain, diabetes and hyperkinetic movement disorders.

www.biovail.com

Boston Scientific's Precision Plus™ SCS System powered by SmoothWave™ Technology blends sophistication and simplicity to deliver life-changing therapy for chronic pain patients. Investing in innovative products, clinical initiatives, and world-class service, Boston Scientific is committed to Making life smoother™ for physicians, patients, and the Neuromodulation community.

www.bostonscientific.com or www.controlyourpain.com

Understanding the role of cannabinoids in health and disease through research and education. The CCIC is a nonprofit organization promoting evidence-based research and education concerning the therapeutic uses of cannabinoids. The CCIC works to advance basic/clinical research on the therapeutic applications of cannabinoids, create a networking forum, and inform healthcare providers of cannabinoid research and therapeutic options.

www.ccic.net

The Canadian Pain Coalition (CPC): A partnership of pain consumer groups, health professionals and scientists with a goal of promoting sustained improvement in the prevention, understanding, treatment/management of all types of pain in Canada through awareness, education and advocacy initiatives. CPC is THE National Voice of people with pain.

www.canadianpaincoalition.ca

The goal of the Canadian Pain Society is to foster and encourage research on pain mechanisms and pain syndromes and to help improve the management of patients with acute and chronic pain by bringing together basic scientists and health care professionals.

www.canadianpainsociety.ca

Mallinckrodt (a Covidien Company) is committed to providing quality medications along with professional and consumer education. Mallinckrodt intends to display C.A.R.E.S. Alliance, a program designed to increase the safe and appropriate use of our products, which are heavily focused in the therapeutic area of pain management.

www.caresalliance.org

The McGill University Health Centre (MUHC), located in Montréal, Québec, is one of the most comprehensive university health centres in North America.

The MUHC is a University Health Centre affiliated with McGill University, and consists of the Montreal Children's, Montreal General, Royal Victoria, and Montreal Neurological hospitals, as well as the Montreal Chest Institute. The most recent member of the MUHC is the Lachine Hospital and Camille-Lefebvre Pavilion.

www.muhc.ca / www.cusm.ca

Cephalon is a global biopharmaceutical company dedicated to discovering, developing and bringing to market medications to improve the quality of life of individuals around the world. Since 1987, Cephalon has brought first-in-class and best-in-class medicines to patients in several therapeutic areas, including pain. For more information about these medicines, visit www.cephalon.com.

www.cephalon.com
Cosman Medical is a leading manufacturer of Radiofrequency Generators and electrodes for Pain Management and Neurosurgery. The new Cosman G4 Generator is fully automatic, programmable with touchscreen controls, and has 4 RF outputs. The G4’s features include physician settings presets, procedure data storage, and automatic staggered lesion start feature.

www.cosmanmedical.com

CRF Health is a global leader in ePRO (electronic Patient Reported Outcomes) solutions for the life sciences industry. Through innovative technology, a thorough understanding of drug development and mobile computing, CRF Health is driving the change to higher quality outcomes and more efficient paper-free clinical trials.

www.crfhealth.com

Manufacturer of the renowned OWL Radiofrequency Products. At our booth you will find a unique combination of products that together have the longest experience and continued success in the RF Pain Management market. With Dti-Diros Technology Inc.'s OWL RF lesion generator, RF probes, RF cannulae & GD-pads—all your RF needs are met here.

www.dirostech.com

Lilly, a leading innovation-driven corporation is developing a growing portfolio of pharmaceutical products by applying the latest research from its own worldwide laboratories and from collaborations with eminent scientific organizations. Headquartered in Indianapolis, IN, Lilly provides answers – through medicines and information – for some of the world’s most urgent medical needs.

www.lilly.com

Elsevier is a leading international Health Sciences publisher. Working in partnership with the global health community, we provide world-class content in print and electronic formats. Please visit Elsevier booth #2108 for complimentary journal copies of leading journals such as PAIN®, European Journal of Pain and The Journal of Pain. Learn more about meeting discounts on books and journal subscriptions.

www.elsevier.com

Endo Pharmaceuticals is redefining itself by embracing the evolution of healthcare and the need for high-quality, cost-effective care. We strive to be the premier partner to healthcare professionals and payers by delivering an innovative suite of diagnostics, drugs and devices that meet the needs of patients with a variety of conditions.

www.endo.com

Official distributor of the APAD Epidural locator, the Epi-C epiduroscopy and the well-known TOP NEUROPOLE Teflon coated needles and cannulae. On our booth you will find an unique combination of innovative products for the Pain Management market; the TOP SC needles with disposable Thermocouple. The Epi-C epiduroscopy, the first and only epiduroscope without any cross contamination risks. Now also on our booth the very interesting Chison Q5 ultrasound device with special settings for nerve approach, colour Doppler and even 3D.

www.equip.nl

Grüenthal is passionate about globally being the preferred partner in pain management for patients, health care professionals, and payors. The corporation drives innovation to expand European market leadership in moderate to severe pain. Grüenthal is an independent, family-owned German corporation with companies in 34 countries all over the world.

www.grunenthal.com

IITC Inc./Life Science, manufacturers and custom designers of animal laboratory testing equipment, is in our 37th year. Largest line of pain testing equipment: the original Electronic von Frey and Hot/Cold Plate, Plantar Test, Tail Flick, Incapacitance Meter, Randall Selitto, Plethysmometer, Grip Strength, Pincher, Rotarod, Treadmill and tail cuff blood pressure systems.

www.iitcinc.com
InSightec developed ExAblate using MR guided focused Ultrasound Surgery, integrating high intensity focused ultrasound energy and Magnetic Resonance Imaging (MRI) to provide a non-invasive, outpatient treatment modality for tumor ablation. Commercially approved to treat uterine fibroids and CE approved for pain palliation of bone metastases, clinical trials are underway in pain palliation of bone metastases, breast, prostate and uterine fibroids.

www.insightec.com

IMHA supports research to enhance active living, mobility and movement, and oral health; and addresses causes, prevention, screening, diagnosis, treatment, support systems, and palliation for a wide range of conditions related to bones, joints, muscles, connective tissue, skin and teeth.

www.imha.cihr.gc.ca/

Founded in 1973, IASP brings together scientists, clinicians, health care providers, and policy makers to stimulate and support the study of pain and to translate that knowledge into improved pain relief worldwide. IASP is the world’s largest multidisciplinary pain society, with more than 7,000 members in 126 countries.

www.iasp-pain.org

The International Pain Education Program is a collaboration between a number of leading universities, including the Universities of Edinburgh and Sydney, who are partnering to deliver on-line postgraduate pain management qualifications. This multidisciplinary course will be of interest to those wishing to obtain further education and qualifications in pain management.

www.painmanagement.ed.ac.uk

Indexed in MEDLINE/PUBMED/MEDLARS and guided by the expertise of leaders worldwide, Journal of Opioid Management is the journal of record in the field today providing an academic forum and balanced approach to all aspects (including the legal ramifications) of safe opioid use and responsible management.

www.opioidmanagement.com

The Journal of Rheumatology offers original research on clinical subjects in Rheumatology and related fields, plus provocative editorials, reviews, case reports, and occasional supplements. Subscriptions/licenses are print plus online (jrheum.org); institutional multistite license on request; mutliuser license (IP ranges) US$870; basic institutional subscription (up to 4 users) US$445, individual subscription US$260.

www.jrheum.org

Kimberly-Clark-Clark has recently acquired the Baylis Medical Pain Management division. Kimberly-Clark’s Pain Management Products division makes a complete line of chronic pain management procedural needles, procedure trays, accessories, and a new, innovative radiofrequency pain management system that includes standard, pulsed, and multi-level RF lesioning functions, as well as Cooled-Radiofrequency-based applications.

www.kchealthcare.com

King, an S&P 500 Index company, is a vertically integrated branded pharmaceutical company that develops, manufactures and markets therapies and technologies primarily in specialty-driven markets including neuroscience, hospital and acute care medicines.

www.kingpharm.com

Lifetree Clinical Research and Lifetree Center for Neuroscience Research are a Specialized Research Organization in Salt Lake City, Utah, serving biopharmaceutical clients throughout the world. Lifetree is a therapeutic leader in analgesia, CNS, and unique expertise in phase I and abuse liability offering CTM services and a 60-bed unit for phase I-III trials.

www.lifetreeresearch.com

A leading Medical Device Company offering the latest in advanced laser products. Focusing on therapeutic and pain management markets, LiteCure offers innovative technology to healthcare, rehabilitation and training professionals. LiteCure offers superior products, developed by laser scientists and engineers with years of experience designing, developing and manufacturing medical technology. Drug-Free, Surgery-Free, Pain-Free Relief.

www.litecure.com
MEDOC LTD. STAND: 1421
Medoc manufactures neuro-diagnostic medical systems & advanced thermal stimulators for various pain conditions: PATHWAY is used for advanced pain research, fMRI and evoked potential studies. TSA-II is used for QST evaluations of the small peripheral nerve fibers. The recently launched Computerized Algometer is used as an accessory to the PATHWAY or as a stand-alone system.

www.medoc-web.com

MEDTRONIC, INC. STAND: 609/ SYMPOSIUM SPONSOR
At Medtronic, we’re committed to Innovating for life by pushing the boundaries of medical technology and changing the way the world treats chronic disease. Medtronic Neuromodulation provides innovative implantable neurostimulation and drug delivery devices to therapeutically treat intractable pain, as well as other chronic diseases and neurological disorders.

www.medtronic.com

MERCK STAND: 1316 / SYMPOSIUM SPONSOR / SPONSOR OF INTERNET CAFE AT STAND 914
Today’s Merck is a global healthcare leader working to help the world be well. Merck is known as MSD outside the United States and Canada. Through our prescription medicines, vaccines, biologic therapies, and consumer care and animal health products, we work with customers and operate in more than 140 countries to deliver innovative health solutions. We also demonstrate our commitment to increasing access to healthcare through far-reaching policies, programs and partnerships. Merck. Be well. For more information, visit www.merck.com.

www.merck.com

METRIS B.V STAND: 1820
Metris is a trendsetter in the field of Animal Behavior and Ultrasound Research. Our products are used by researchers in over 23 countries around the world. LABORAS: A powerful system that automates behavior scoring of laboratory animals. It tracks position and detects more than 15 behaviors. Doesn’t use video or infra-red beams! SONOTRACK: The best full spectrum ultrasound recording, analysis and playback system. Fully automatic USV (call) counting and analysis from 15 kHz to 125 kHz!

www.metrisc.com

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Mundipharma is one of the Purdue/Mundipharma/Napp independent associated companies - privately owned companies and joint ventures covering the world’s pharmaceutical markets. The companies worldwide are dedicated to bringing to patients with severe and debilitating diseases the benefits of novel treatment options in fields such as severe pain, rheumatoid arthritis, haematology and respiratory disease.

www.mundipharma.co.uk

MUNDIPHARMA PTE LTD STAND: 603
Mundipharma is one of the leading pain management companies in the Asia Pacific region, focusing on the treatment of the chronic moderate-to-severe pain caused by cancer and non-malignant conditions. Our product range includes immediate and controlled release formulations, capsules, oral solutions, injections and patches, suited to the different needs of individual patients.

www.mundipharma.asia

NEURO RESOURCE GROUP STAND: 1911
InterX Technology - highly effective, evidence based interactive neurostimulation for the treatment of acute and chronic pain. Scientifically proven to be more powerful than a standard TENS device (poster presentation). Introducing the new single patient systems designed for post-operative treatment, with new data from a recent RCT study at the NHS Prince Phillips Hospital in Wales, UK.

www.nrg-unlimited.com

NEUROTHERM® STAND: 1215
NeuroTherm is a leading manufacturer of products used in the field of Interventional Pain, including RF Generators, Intradiscal Therapies, Epidural Catheters, Discography and a wide range of consumable products used in the treatment of chronic pain. We are focused on developing safe, effective and innovative products while offering a remarkable level of service to ensure physicians are able to perform procedures more safely, quickly, and effectively.

www.neurotherm.com

NEUROTHERM, INCORPORATED STAND: 1117
Innovative Medical Technology. Neurometer® clinical electrodiagnostic sensory nerve testing equipment is unmatched in its ability to selectively evaluate Aβ, Aδ and C-fiber function (hyperesthesia through hypoesthesia) at any cutaneous/mucosal site. The Neurometer’s non-invasive pain evaluation with normative values measures alldynia and pain tolerance thresholds. Ideal for laboratory animals and clinical pharmaceutical development.

www.neurotron.com
NUVO RESEARCH, INC. CONGRESS SPONSOR

Nuvo Research Inc’s focus is on the research and development of drug products primarily for the treatment of pain that are delivered into and through the skin using its topical and transdermal drug delivery technologies. Nuvo’s lead product Pennsaid® is currently marketed in the U.S., Canada and certain European countries.

www.nuvoresearch.com

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Together for medicines that matter. We are a privately owned global pharmaceutical company with a differentiated portfolio focused on branded medicines in gastrointestinal, respiratory and inflammatory diseases, pain, osteoporosis and tissue management. An extensive range of OTC products completes our portfolio. Every day, our 12,000 associates bring medicines that matter to patients, physicians and healthcare providers in over 100 countries.

www.nycomed.com

THE ONTARIO PAIN FOUNDATION STAND: 2714

The Ontario Pain Foundation is an independent not-for-profit organization established with the purpose to advance education, awareness and advocacy for the benefit of people who suffer debilitating pain.

www.ontariopainfoundation.ca

PAIN MEDICINE NEWS STAND: 1909

Pain Medicine News (PMN) is an independent monthly newspaper for pain clinicians across 12 specialties. Boasting an editorial board of renowned pain clinicians and researchers, PMN provides comprehensive coverage of clinical, legal and policy issues, practice management information, educational review articles, CME, and educational pieces such as wall charts and pocket guides.

http://www.painmedicinenews.com/

PALADIN LABS INC. STAND: 808

Paladin Labs Inc., headquartered in Montréal, Canada, is a specialty pharmaceutical company focused on acquiring or in-licensing innovative pharmaceutical products for the Canadian and world markets. With this strategy, a focused national sales team and proven marketing expertise, Paladin has evolved into one of Canada’s leading specialty pharmaceutical companies.

www.paladinlabs.com

PFIZER CANADA INC. STAND: 621

Pfizer Canada Inc. is the Canadian operation of Pfizer Inc, the world’s leading biopharmaceutical company. Pfizer discovers, develops, manufactures and markets prescription medicines for humans and animals. Pfizer’s ongoing research and development activities focus on a wide range of therapeutic areas following our guiding aspiration... Working together for a healthier world.

www.pfizer.ca

PFIZER, INC. STAND: 1503/SYMPOSIUM SPONSOR

At Pfizer, we apply science and our global resources to improve health and well-being at every stage of life. Every day, Pfizer colleagues work across developed and emerging markets to advance wellness, prevention, treatments and cures that challenge the most feared diseases of our time.

www.pfizer.com

PREMIER RESEARCH GROUP LIMITED STAND: 1201

Premier Research is a leading, global solutions-driven CRO committed to therapeutic focus and operational expertise to deliver the highest quality clinical trial services. They are an industry leader in clinical research for acute and chronic pain having managed more than 240 analgesia trials in the past five years.

www.premier-research.com

PRICARA, DIVISION OF ORTHO-MCNEIL-JANSSEN PHARMACEUTICALS, INC. STAND: 1521

PriCara, Division of Ortho-McNeil-Janssen Pharmaceuticals, Inc. is dedicated to serving Primary Care physicians. We currently market products to treat pain, acid reflux disease and infectious diseases.

www.pricara.com

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ProStrakan is a rapidly growing specialty pharmaceutical company engaged in the development and commercialization of prescription medicines for the treatment of unmet therapeutic needs in major markets. ProStrakan is headquartered in Scotland with commercial operations throughout the rest of the UK and continental Europe and a US head office.

www.prostrakan.com

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Purdue Pharma is a leading pharmaceutical manufacturer whose mission is to advance healthcare through research, education and pharmaceutical innovation. Purdue, a member of RX&D, specializes in controlled release medications for the treatment of pain, ADHD, OAB and other conditions.

www.purdue.ca
Purdue Pharma L.P. is well known for its pioneering work on persistent pain, a principal cause of human suffering. The company’s leadership and employees are dedicated to providing healthcare professionals, patients and caregivers with safe and effective therapies, and innovative educational resources and tools that support the therapies’ proper use.

www.PurduePharma.com

QRxPharma is a clinical-stage specialty pharmaceutical company focused on the development/commercialization of therapies for pain management and central nervous system disorders. Their lead compound, Mox Duo® IR is in Phase 3 clinical development and has successfully completed multiple comparative efficacy/safety studies against equal analgesic doses of morphine, oxycodone and Percocet® for the treatment of acute pain, demonstrating a significant reduction (> 50%) in opioid-related adverse events.

www.qrxpharma.com

By its training activities of the healthcare professionals and its awareness campaign to the governmental authorities and to the population, the Québec Association for Chronic Pain (AQDC) has, since 2004, the mission to improve the condition of the persons suffering from chronic pain and to reduce their isolation. Come and meet us, booth 2618!

www.douleurchronique.org/index.asp?lang=en

QPRN is a research network that groups together the university- and hospital-based research community in Québec interested in the challenges of chronic pain. Its mission is to contribute through basic, clinical and evaluative and epidemiological research to the improvement of the quality of life of those who suffer from pain.

www.qprn.ca

Recro Pharma, Inc. is a clinical stage specialty pharmaceutical company which develops solutions for managing serious pain and related conditions. Our lead candidate is an alpha 2 adrenergic agonist with multiple, non-invasive routes of administration under development.

www.recropharma.com

Manufacturers & exporters of electro, surgical & dental devices, certified ISO9001/ISO13485/cGMP/CE MARK.

www.safariimpex.com

Saretius is a UK-based company offering preclinical experimental services required by the drug discovery process, in a highly integrated fashion. Saretius offers preclinical pharmacokinetic services and specialises in models of pain, obesity, diabetes and CNS disorders. Saretius offers a unique service by integrating pharmacokinetics, pharmacodynamics, efficacy testing and therapeutic index.

www.saretius.com

Schwa-medico has been developing, manufacturing and distributing products in the fields of pain management for 35 years. schwa-medico is a German company with branches in several European countries and is supported by a global network of representatives. schwa-medico has been market leader in Germany for many years with its outstandingly successful portable TENS, muscle stimulation units and acupuncture needles and acupuncture supply. To our product range we further count low-level laser and radiofrequency lesion generators.

www.schwa-medico.com

SOMEDIC develops, manufactures and markets innovative instruments and systems for research and clinical work in pain physiology. At IASP 2010, we display our complete line of sensory testing instruments (QST), with focus on our new SENSEBox. You are cordially invited to our stand number 801 for more information.

www.somedic.com

SonoSite is the world leader and specialist in hand-carried and mounted ultrasound. Through its expertise in ASIC design, SonoSite is able to offer imaging performance typically found in costly ultrasound machines weighing more than 300 pounds in a system that is approximately the size and weight of a laptop computer.

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SpiderTech™ provides pre-cut kinesiology taping applications and evidence led educational programs intended to facilitate a functional medicine approach to understanding and treating pain and myofascial dysfunction through non-invasive means. SpiderTech™ “pre-cut” applications are designed for a standardized and reproducible method of improving clinical outcomes.

www.spidertech.com

Springer is a major publisher of books and journals in Life Sciences. Please stop by our booth to order books at a special conference discount and take a closer look at sample issues of journals. Staff will be available to answer any questions about publishing with Springer.

www.springer.com

St. Jude Medical is dedicated to putting more control into the hands of those who treat chronic pain patients. Our portfolio includes the Epiducer™ lead delivery system, which allows percutaneous introduction of a unique class of paddle leads, Swift-Lock™ anchor, and Penta™ leads, the first five-column paddle leads. Visit sjmneuro.com.

www.sjmneuro.com

Stoelting Co. is a leader in distributing and manufacturing reliable and accurate pain assessment instruments that are used in laboratories all over the world. We have a strong commitment to support scientific research; so come visit the Stoelting booth to see our latest innovations in pain assessment devices.

www.StoeltingCo.com and www.ANYmaze.com

The Liebeskind Collection is a multi-disciplinary archival project which documents and promotes the study of the history of pain. The Collection includes oral histories with major figures in the pain field, personal papers and records of pain organizations. Pre-20th century historical materials also form an important part of the collection.

http://unitproj.library.ucla.edu/biomed/his/pain.html

UGO BASILE is one of the world’s leading manufacturers of instruments for physiological & pharmacological research, whose design and production team is in close contact with the latest developments in biological research and can draw on a wide variety of expertise

www.ugobasile.com

SnowWorld: Visitors look into large virtual reality goggles, designed to give them the illusion of going inside a 3D canyon, and use a mouse to throw snowballs at snowmen. This demonstrates an unusually effective method of distraction for pain control during wound care and physical therapy in pediatric burn patients.

www.vrpain.com

Valeant Canada Limited specializes in innovative products for the treatment of diseases in the areas of pain management, neurology, and dermatology.

www.valeantcanada.com

Wiley-Blackwell is the international scientific, technical, medical and scholarly publishing business of John Wiley & Sons, with strengths in every major academic and professional field and partnerships with many of the world’s leading societies.

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The WHO Access to Controlled Medicines Programme aims to improve legitimate medical access to all medications controlled under the international drug conventions, including opioids for relieving pain. The WHOCC provides technical assistance to WHO, its member states, and other UN bodies for improving the availability and accessibility of opioid medications.

WHOCC: www.painpolicy.wisc.edu
DONATE YOUR EXTRA SHOW GIVEAWAYS TO COMMUNITY KINDNESS…À LA MONTRÉAL!

Bonjour!

Busy professionals like you are never too busy to help the community—and Tourisme Montréal has a great way to give while reducing waste.

Donate your extra show giveaways to Community Kindness…à la Montréal! Tourisme Montréal, in collaboration with the Palais des congrès and its partners, will be collecting any products or giveaways you wish to donate for the benefit of three Montréal charitable foundations.

Look for the Community Kindness collection bins, which will placed at strategic locations in the registration area and other high-traffic areas.

Please note that, while we cannot accept printed literature (brochures, flyers), we encourage you to recycle this material.

Thank you for participating!

The Community Kindness…à la Montréal team
Tourisme Montréal
Palais des Congrès

ABOUT COMMUNITY KINDNESS…À LA MONTRÉAL CHARITIES

Accueil Bonneau
Accueil Bonneau assists homeless individuals in reintegrating into society. Its objective is to help them find domestic stability, autonomy and a better quality of life.
www.accueilbonneau.com

Le Chaînon
Le Chaînon gives temporary shelter to women and their children in difficulty in a safe and compassionate environment, helping them to heal, find hope and re-establish their lives.
www.lechainon.org

Yves Bolduc
From the Ministre de la Santé et des Services sociaux

We all know pain: it is part of our lives. But sufferers of chronic pain know how destructive it can be. Fortunately, in recent years doctors, psychologists, psychiatrists, oncologists and other health professionals have dedicated themselves to the welfare of those who endure pain daily. Pain has emerged from the shadows to become the focus of study for researchers across the globe.

With this 13th World Congress on Pain, the medical and scientific community will benefit from the expertise of the many researchers and practitioners who have come to share their experience and knowledge. Drug treatment, neuropathic pain, pain in children, pain in the elderly – all these topics will be examined from a multidisciplinary perspective. We must tackle the vast, complex problem of pain because its impacts on the quality of life are so great. Your presence at this congress testifies to your commitment to the victims of pain and raises hopes of easing their suffering.

It is, then, with great optimism that I welcome you to Montréal. I have no doubt that the city’s many charms, together with the fruitful exchanges at this gathering, will make your stay here a memorable one!
As a registrant of the World Congress on Pain you are invited to attend:
À titre de participant au Congrès mondial sur la douleur vous êtes invité à assister à cette présentation:

Sunday August 29th, 2010
6:30 pm – 8:00 pm
Room, 710 a

Progress in the Pharmacotherapy of Persistent Pain in Canada

- Summarize the risks and benefits of the various pharmacotherapy options in the management of people with moderate persistent pain.
- Discuss the evidence and some practical clinical pearls for using transdermal buprenorphine.
- Develop strategies for risk assessment, and safe prescribing of opioid therapy for persistent pain.

Presented By: Milton Cohen, MD.
Associate Professor Milton Cohen is a rheumatologist and pain physician on the St Vincent’s Sydney Campus. He is a Fellow of the Royal Australasian College of Physicians and of its Faculty of Rehabilitation Medicine and is a past Dean of the Faculty of Pain Medicine of the Australian and New Zealand College of Anaesthetists. Dr Cohen has been a prime mover in the development of pain medicine as a discipline, in the education and training of pain physicians and in bringing the plight of the person in persistent pain to the attention of the broader medical community. Dr Cohen’s clinical and research interests are broad and include issues in pain theory and practice, rational pharmacotherapy for pain and implications of persistent pain for public policy. He has contributed chapters on pain to many textbooks and has lectured on topics as diverse as challenges to clinical reasoning in pain, psychophysical studies and the ethics of opioid treatment.

Moderated By: Roman Jovey, MD.
Dr. Jovey, a graduate of the University of Toronto, was a general practitioner and emergency physician for almost 20 years. He has been on staff of the Credit Valley Hospital Alcohol and Drug Treatment Program since 1986 and has been the Physician Director of that Program since 1992. During the past 15 years, Dr. Jovey has developed an increasing interest and experience in the management of chronic pain using pharmacotherapy, with a special interest in the use of long-term opioid therapy. Since 1994, he has presented workshops and seminars on this topic to over 7000 health care professionals across Canada. Since May 2007, he is the Immediate Past-President of the Canadian Pain Society.

Summary:
The role of opioid pharmacotherapy in patients with chronic non-cancer pain (CNCP) remains controversial. However, symptom control - especially in the older patient with persistent pain, comorbidities and polypharmacy - remains a challenge as part of a multimodal approach to pain management. This presentation will address the complexity of that task and introduce a new option of transdermal opioid delivery in that context.

Dessert & Coffee Available
Join us for a CME–associated Dinner Symposium held in conjunction with the 13th World Congress on Pain

Opioids in Chronic Pain: Evolving Best Practice Strategies

Sunday, August 29, 2010
6:30 PM – 8:00 PM
Reception to follow

Rooms 511–B, C, E, F
Level 5
Palais des Congrès de Montréal

Program Chair
Oscar de Leon-Casasola, MD
Professor of Anesthesiology and Medicine
Vice-Chair for Clinical Affairs
School of Medicine and Biomedical Sciences
University at Buffalo
Chief, Pain Medicine
Professor of Oncology
Roswell Park Cancer Institute
Buffalo, New York

Registration
Two ways to register
Online: www.events.acttel.com/IASP10
Call Toll Free: 1-866-235-1059

On-site registration may be available, space permitting. Preregistration does not guarantee seating. Arrive early—seating is limited!

AMA Credit Designation
This activity has been approved for AMA PRA Category 1 Credit(s)™.

This educational activity is jointly sponsored by Postgraduate Institute for Medicine and Miller Medical Communications, LLC.

This activity is supported by an educational grant from Endo Pharmaceuticals Inc.
Visit IASP in the Exhibit Hall!

**#1703 IASP Exhibition Booth**
- Meet your IASP presidents!
- Purchase the latest IASP Press® books at a Congress discount.
- Learn about the many benefits of IASP membership.
- Pick up the new IASP early history book – free, while supplies last.
- Get your free lapel pin (for all members and those who join IASP)!
- Attend a book signing and meet the editors.
- Receive a free copy of PAIN®, the leading scientific journal.
- View a pictorial history of IASP.
- Meet your IASP staff members!

**#1701 14th World Congress on Pain®**
- Where in the world is Yokohama? Come by the booth and find out!
- Learn more about the 14th World Congress on Pain.

**#1901 IASP Chapters Booth**
- Find out what’s happening in some of IASP’s 84 chapters all around the world.
With their narrow shape and unique steering capabilities, St. Jude Medical’s S-Series leads can be inserted percutaneously through a novel lead delivery system or placed with a small laminotomy procedure, providing placement flexibility and extensive lead configuration options. Shielded to provide unidirectional stimulation, S-Series leads deliver focused energy that results in greater system longevity.1,2 With this combination of efficiency and placement options, physicians have more control to tailor therapy and meet unique patient needs.

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Indications for Use: Chronic, intractable pain of the trunk and limbs. Contraindications: Demand-type cardiac pacemakers, patients who are unable to operate the system or who fail to receive effective pain relief during trial stimulation. Warnings/Precautions: Diathermy therapy, cardioverter defibrillators, magnetic resonance imaging (MRI), explosive or flammable gases, theft detectors and metal screening devices, lead movement, operation of machinery and equipment, postural changes, pediatric use, pregnancy, and case damage. Patients who are poor surgical risks, with multiple illnesses, or with active general infections should not be implanted. Adverse Events: Painful stimulation, loss of pain relief, surgical risks (e.g., paralysis).

Clinician’s manual must be reviewed prior to use for detailed disclosure. Caution: U.S. federal law restricts this device to sale and use by or on the order of a physician.

Epiducer and S-Series are trademarks of Advanced Neuromodulation Systems, Inc., dba St. Jude Medical Neuromodulation Division. ST. JUDE MEDICAL, the nine-squares symbol and MORE CONTROL. LESS RISK. are trademarks and service marks of St. Jude Medical, Inc. and its related companies. ©2010 St. Jude Medical, Inc. All rights reserved.
# IASP WELCOMES OUR NEW OFFICERS AND COUNCIL

<table>
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<th>Secretary</th>
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<td><strong>President</strong></td>
<td>Eija Anneli Kalso, MD, DMedSci (Finland)</td>
<td>Fernando Cervero, MD, PhD, DSc (Canada)</td>
<td>Judith A. Paice, PhD, RN, FAAN (USA)</td>
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## COUNCILORS

- Lars Arendt-Nielsen, Dr med Sci, PhD (Denmark) (2011)
- Jane C. Ballantyne, MD FRCA (USA) (2016)
- Ralf Baron, Dr med (Germany) (2016)
- José Castro-Lopes, MD, PhD (Portugal) (2016)
- Antoon De Laat, DDS, PhD (Belgium) (2011)
- Maged El-Ansary, MD (Egypt) (2014)
- Cynthia Goh, PBM, MB BS, PhD, FACP, FAMS, FRCP, FRCP (Singapore) (2014)
- Celeste M. Johnston, RN, DeD, FCAHS (Canada) (2014)
- Michael Nicholas, PhD (Australia) (2016)
- Germán Ochoa, MD (Colombia) (2014)
- Paul Pionton, DDS, PhD (France) (2011)
- Philip J. Siddall, MBBS, MM (Pain Mgt), PhD, FFPMANZCA (Australia) (2011)
- Kathleen A. Sluka, PT, PhD (USA) (2011)
- Irene Tracey, PhD (UK) (2014)
- Judith A. Turner, PhD (USA) (2011)
- Hiroshi Ueda, PhD (Japan) (2016)

## SPECIAL THANKS TO OUR OUTGOING OFFICERS

IASP gratefully acknowledges the outstanding contributions and service by our outgoing Officers –

- **Past President**
  - Troels S. Jensen, MD, PhD (Denmark)
- **Treasurer**
  - Beverly J. Collett, MB BS, FRCA (UK)
- **Secretary**
  - Patricia A. McGrath, PhD (Canada)
OCTOBER 2-6, 2012

14th World Congress on Pain®

Pacifico Yokohama

Yokohama, Japan

International Association for the Study of Pain®
www.iasp-pain.org/Yokohama
Pain Management Physician

Gundersen Lutheran Health System, based in La Crosse, Wis., is seeking an additional Interventional Pain physician due to unprecedented growth in the Pain Medicine program. With one (1) Pain Management Physician on staff, you can join an expanding service in our organization. The Pain Management group works directly with the Department of Anesthesiology to deliver full scope, team oriented Pain Management care. The preferred candidate will be Pain Fellowship trained (or currently enrolled in an accredited Pain Fellowship) and BC/BE in Anesthesiology who is comfortable with all fluoroscopically guided spine procedures. Experience with radiofrequency and interventional modalities to include work with implantable devices such as intrathecal delivery systems and spinal cord stimulators are ideal.

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We support a safe, healthy and drug-free work environment through background checks and controlled substance screening. EOE/AA/LEP
Living With Pain: Redefining the Goals

Agenda

18:15–18:20 Introduction
   Kenneth D. Craig, BA, MA, PhD (Canada)

18:20–18:40 Relevance of Outcome Measures in Clinical Trials
   Harriët Wittink, PhD, MS, PT (The Netherlands)

18:40–19:00 The Experience of Pain: Psychological and Emotional Aspects
   Kenneth D. Craig, BA, MA, PhD (Canada)

19:00–19:20 Addressing and Managing the Functional and Societal Burden of Pain
   Michael Cousins, MB, BS, MD, DSc (Australia)

19:20–19:40 Q&A Session
   Panel

19:40–19:45 Closing Remarks
   Kenneth D. Craig, BA, MA, PhD (Canada)

Monday, 30 August 2010, 18:15–19:45
Room 710A, Palais des Congrès de Montreal, Québec, Canada

This is US information distributed for conference use and may contain references to products and indications that have not been approved in Canada.
Merck Associated Symposia

Breakthrough Research Involving the Neuropathic Components of Osteoarthritis (OA) Pain
Chairman: Daniel J. Clauw, MD. (USA)
30 August 2010
18:15 – 19:45
Palais des Congrès de Montréal
Room 518
Montreal, Canada

Herpes Zoster Disease and Prevention with Vaccination: Beyond Pain and Preserving Quality of Life
Chairman: Roman Jovey (Canada)
31 August 2010
7:00 – 8:00 AM
Palais des Congrès de Montréal
Room 518
Montreal, Canada
You’re Invited!

PURDUE PHARMA L.P. SYMPOSIUM
held in conjunction with the
13th WORLD CONGRESS ON PAIN
Montreal, Canada

Practical Applications to Support Responsible
Treatment of Chronic Pain With
a Long-Acting Opioid

Jeff Gudin, MD
Director, Pain and Palliative Care
Englewood Hospital and Medical Center
an affiliate of the Mt Sinai University
School of Medicine
Englewood, New Jersey
United States

Monday, August 30, 2010
6:15 PM – 7:45 PM
Room 516

Please visit us!
PURDUE BOOTH #803

U.S. Prescribing Information will be used in this presentation.
### IASP Chapters

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### Chapters in Formation

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Learn more about our chapters at [www.iasp-pain.org](http://www.iasp-pain.org)
MEET THE PRESIDENTS!

Meet outgoing and incoming IASP Presidents

G.F. Gebhart and Eija Anneli Kalso

Monday, August 30
Tuesday, August 31
Thursday, September 2

15:15 – 15:45 IASP Booth – #1703

Gerald F. Gebhart, PhD (USA)
Outgoing President, IASP

Eija Anneli Kalso, MD, DMedSci (Finland)
Incoming President, IASP

BOOK SIGNINGS

Meet the editors of the latest publications from IASP Press®

Daily, Monday, August 30 – Thursday, September 2

12:30 – 13:15 IASP Booth – #1703

Monday
Pain Management for Older Adults
T. Hadjistavropoulos

Mechanisms and Management of Pain for the Physical Therapist
K.A. Sluka

Tuesday
Cancer Pain: From Molecules to Suffering
J.A. Paice, R.F. Bell, E.A. Kalso, O.A. Soyannwo

Wednesday
Pharmacology of Pain
P. Beaulieu, D. Lussier, F. Porreca, A.H. Dickenson

Thursday
Functional Pain Syndromes: Presentation and Pathophysiology
E.A. Mayer, M.C. Bushnell
Opioids are useful in treating patients with moderate-to-severe chronic noncancer pain who have not responded adequately to other therapeutic modalities. However, misuse, abuse, and diversion of prescription opioids have escalated along with their increased legitimate use for pain. Because of the potential for opioid abuse, patients and physicians may be reluctant to initiate opioid therapy for pain relief. This program will examine clinical strategies outlined in recently updated guidelines and pharmacologic developments for chronic pain that attempt to balance the risk of aberrant drug-related behaviors with effective opioid treatment.

PRACTITIONER’S EDGE FORMAT
Practitioner’s Edge is an innovative symposium format that provides attendees with cutting-edge medical education in a peer-to-peer discussion setting. The goal of the program is to provide practical tools and education that may be utilized immediately in daily practice.

In this Practitioner’s Edge program, video testimonials will be utilized to illustrate clinically-relevant examples of patients who demonstrate aberrant drug-related behaviors. Faculty panel members will work with the audience to identify optimal treatment strategies while discussing the latest scientific information with regard to pain management. A multimedia presentation will be interspersed with audience response questions to further engage the audience and provide data for rigorous panel discussion.

AGENDA
6:30 AM – 7:00 AM  Registration/Breakfast Served
7:00 AM – 7:45 AM  Practitioner’s Edge Interactive Session
7:45 AM – 8:00 AM  Question and Answer Session/Closing Remarks

TARGET AUDIENCE
This activity has been designed to meet the educational needs of physicians and healthcare providers involved in the care of patients with pain.

LEARNING OBJECTIVES
Following completion of this educational activity, participants will be better able to:
• List risk stratification strategies for patients with pain
• Describe opioid management strategies based on the Universal Precautions for patients with pain
• Explain strategies for managing opioid therapy in patients with high risk for opioid abuse

FACULTY
Scott M. Fishman, MD
Chief
Division of Pain Medicine
Professor
Anesthesiology and Pain Medicine
University of California, Davis School of Medicine
Sacramento, California

Douglas Gourlay, MD, FRCP
Director
Division of Pain and Chemical Dependency
Wasser Pain Management Centre
Mt. Sinai Hospital
Waterdown (Ontario), Canada

Held in conjunction with the 13th World Congress on Pain.

ACREDITATION STATEMENT
This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the Postgraduate Institute for Medicine (PIM) and Integrity Continuing Education, Inc. PIM is accredited by the ACCME to provide continuing medical education for physicians.

CREDIT DESIGNATION
PIM designates this educational activity for a maximum of 1.0 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

VISIT US ONLINE FOR MORE INFORMATION AND ADDITIONAL CME ACTIVITIES!
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THERAPEUTIC MANAGEMENT OF
BREAKTHROUGH CANCER PAIN

Making a Case for Improved Diagnosis, Opioid Selection, Patient Support, and Compliance

HELD IN CONJUNCTION WITH THE 13TH WORLD CONGRESS ON PAIN®

SCOTT M. FISHMAN, MD
Program Chair
University of California, Davis Medical Center
Sacramento, California, USA

RICHARD RAUCK, MD
Carolinas Pain Institute
Winston-Salem, North Carolina, USA

JOHN ZEPPELETTA, MD
St Clare Hospice
Hastingwood, Essex, UK

TUESDAY, AUGUST 31, 2010
6:15 PM – 7:45 PM
Room 516, Palais des congrès de Montréal
Montréal, Québec, Canada

ACCREDITATION STATEMENT
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"A new way of treating chronic severe pain: Tapentadol and the MOR-NRI concept"

Program:

Chairmen:
Prof Hans-Georg Kress,
Prof Ralf Baron

Speakers:

Prof Robert Dworkin
University of Rochester Medical Center, New York, US
The challenge of chronic low back pain: toward mechanism-based classification and treatment

Prof Anthony Dickenson
University College London, UK
Tapentadol and the MOR-NRI concept – Pharmacological perspective

Prof Hans-Georg Kress
University Hospital/AKH, Vienna, Austria
Tapentadol, a new, powerful analgesic: clinical profile and latest evidence in severe pain

Prof Ralf Baron
Christian Albrechts-University, Kiel, Germany
Tapentadol in neuropathic pain and low back pain including top line results from most recent trials
The Science of Neuromodulation for Pain Management

Robert D. Foreman, PhD
George Lynn Cross Research Professor & Chair
Department of Physiology
The University of Oklahoma • Oklahoma City, OK

Richard B. North, MD
The Sandra and Malcolm Berman Brain & Spine Institute
Sinai Hospital • Baltimore, MD

Indications for Use. The Precision® Spinal Cord Stimulator System (Precision System) is indicated as an aid in the management of chronic intractable pain of the trunk and/or limbs, including unilateral or bilateral pain associated with the following: failed back surgery syndrome, intractable low back pain, and leg pain.

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You are invited to share the experiences of a distinguished international faculty at the symposium:

OVERCOMING THE CHALLENGES OF PAIN MANAGEMENT—THE NEED FOR INNOVATIVE APPROACHES

August 31st, 18:15 – 19:45      Room 517B-C

Drinks and light refreshments will be served prior to the symposium. This meeting has been arranged and sponsored by the Mundipharma/Napp/Norpharma independent associated companies. The company and their products will be discussed.
JOHN D. LOESER DISTINGUISHED LECTURE

This award recognizes work that gives new perspectives to understanding the experiences of pain and that opens the door to future reductions in suffering.

Kathleen Foley, MD
Attending neurologist, Pain and Palliative Care Service at Memorial Sloan-Kettering Cancer Center
Professor of neurology, neuroscience, and clinical pharmacology, Weill Medical College, Cornell University

Advancing Pain and Palliative Care Globally:
Challenges and Opportunities
1:45 Tuesday, August 31, 2010
Hall 517

JOHN J. BONICA DISTINGUISHED LECTURE

Named in honor of the founder of IASP, this award is presented to someone who has made a major contribution to pain research or pain therapy.

Clifford Woolf, MB BCh
Director, F.M. Kirby Neurobiology Center at Children’s Hospital, Boston
Professor of neurology and neurobiology, Harvard Medical School

Central Sensitization:
How Plasticity Produces Pain
8:15 Wednesday, September 1, 2010
Hall 517
JOIN US TO CONGRATULATE THESE 2010 AWARD WINNERS!

**RONALD DUBNER RESEARCH PRIZE**

This award honors the best clinical or basic science research paper, series of papers, or doctoral thesis in the field of pain, published or in press while in training as a student, intern, resident, pre-doctoral fellow, postdoctoral fellow, or equivalent.

**Anna K. Clark, PhD**
United Kingdom

**Field of Research:**
Neuroscience – role of cytokines, proteases and pain mechanisms

Award to be presented during 8:15 Plenary Session, Monday, August 30, 2010  Hall 517

**AWARD FOR EXCELLENCE IN DEVELOPING COUNTRIES FOR BASIC SCIENCE**

This award recognizes and promotes excellence in pain research or pain management in developing countries and low income countries.

**Jocelyn C. Que, MD**
Millicent Y. Tan-Ong, MD
M. Minerva Patawaran-Calimag, MD
Consueloa Gonzalez-Suarez, PhD
Graciela G. Gonzaga, MD
The Philippines

**Field of Work:**
Development and production of an ongoing, Web-based pain education course that is now a Pain Management Masters Degree offered as a fully online postgraduate course by the University of Santo Tomas, Manila, Philippines, enhancing pain education in Southeast Asia. The curriculum adheres to the IASP Core Curriculum for Professional Education in Pain.

Award to be presented during 1:45 Plenary Session, Monday, August 30, 2010  Hall 517

**ULF LINDBLOM YOUNG INVESTIGATOR AWARD FOR CLINICAL SCIENCE**

This award honors an individual who has achieved a level of independence as a scholar in the field of clinical science and is under the age of 40.

**Christine T. Chambers, PhD**
Canada

**Field of Research:**
Childhood pain-related research focusing on the role of the family in pediatric pain, pain assessment in children and sleep and pain in adolescents.

Award to be presented during 8:15 Plenary Session, Tuesday, August 31, 2010  Hall 517

**PATRICK WALL YOUNG INVESTIGATOR AWARD FOR BASIC SCIENCE**

This award was initiated in 1987 and honors individuals who have achieved a level of independence as a scholar in the field of pain.

**Rohini D. Kuner, PhD**
Germany

**Field of Research:**
G-protein coupled receptors (GPCR), signaling and functions as well as protein-protein interactions and signaling mechanisms of glutamate receptors in nociceptors and spinal synapses in the context of sensitization mechanisms.

Award to be presented during 8:15 Plenary Session, Thursday, September 2, 2010  Hall 517

**AWARD FOR EXCELLENCE IN DEVELOPING COUNTRIES FOR CLINICAL SCIENCE**

This award recognizes an individual or a team who has achieved a level of excellence in programs of clinical research or practice, and/or policy changes in pain management in the developing world and low income countries.

**M. R. Rajagopal, MD**
India

**Field of work:**
In recognition of Dr. Rajagopal’s overall great work primarily in pain and palliative care, including improvements in pain management delivery, research, projects, and policy.

Award to be presented during 1:45 Plenary Session, Thursday, September 2, 2010  Hall 517
Cancer Pain: From Molecules to Suffering

Pharmacology of Pain

Functional Pain Syndromes: Presentation and Pathophysiology
This book explores the connection of functional pain syndromes with anxiety, depression, chronic fatigue syndrome, and post-traumatic stress disorder. The authors address possible common pathophysiologies and review a range of treatment options, from antidepressants to cognitive-behavioral therapy. E.A. Mayer, M.C. Bushnell (Eds). 2009, ISBN 978-0-931092-75-6, 578 pp, softbound. Price: US$95.00 [IASP members US$75.00]

Mechanisms and Management of Pain for the Physical Therapist
This new volume covers the basics of pain neurobiology and review evidence on the mechanisms of action of physical therapy treatments, as well as their clinical effectiveness in specific pain syndromes. The book is a comprehensive textbook for the management of pain for the physical therapy student and the practicing physical therapist. K. A. Sluka (Ed). 2009, ISBN 978-0-931092-77-0, 441 pp, softbound. Price: US$90.00 [IASP members US $70.00]

New Releases!

Pain 2010—An Updated Review: Refresher Course Syllabus
Written by the contributors to the Refresher Courses in conjunction with the 13th World Congress on Pain® in Montréal, Canada, Pain 2010—An Updated Review features articles on modern pain research and treatment, with topics ranging from state-of-the-art techniques (brain imaging, genetics, and animal and volunteer models) and treatments (interventional therapies, psychological therapies, and pharmacotherapies) to updates in our understanding of pain disorders (e.g., cancer pain, neuropathic pain, musculoskeletal pain, complex regional pain syndrome, orofacial pain and headache, persistent postoperative pain, abdominal/pelvic pain, low back pain, and pediatric pain) and comorbidities (pain and addiction). J.S. Mogil (Ed). 2010, ISBN 978-0-931092-84-8, 455 pp, softbound. Price: US$40.00

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The Busy Clinician’s Guide to Pain

This book, due for release in the fall of 2010, provides concise yet comprehensive information that every health care provider needs to know in order to competently care for patients with pain. Key topics include pain mechanisms and vocabulary, pain assessment, pain conditions such as acute and postoperative pain, neuropathic pain, musculoskeletal pain, and headache, and pain therapy. It serves as a quick reference for use in a variety of clinical settings and situations. It is essential reading for all clinicians (physicians, nurse practitioners, physician assistants, nurses, physical therapists, and psychologists) and for medical and nursing students. E. McNicol, C.C. Curtiss, and D.B. Carr (Eds), 2010, ISBN: 978-0-931092-86-2.

Fundamentals of Musculoskeletal Pain
Musculoskeletal pain is a major medical and economic problem that encompasses a broad range of conditions, including fibromyalgia, work-related myalgia, low back pain, and arthritis. This book integrates research findings from the field of musculoskeletal pain into a comprehensive publication that explores translational aspects relevant to clinical pain. T. Graven-Nielsen, L. Arendt-Nielsen, S. Mense (Eds), 2008, ISBN 978-0-931092-72-5, 496 pp, hardbound. Price: US$90.00 [IASP members US$70.00]

Pain Management for Older Adults: A Self-Help Guide

Current Topics in Pain: 12th World Congress on Pain
This informative book covers a wide variety of topics, from the neurochemistry and neurobiology of pain to the role of stress in chronic pain. Of special note are Inge Geneffe’s compelling chapter on pain and suffering following torture and myalgia, low back pain, and arthritis. This book integrates research findings from the field of musculoskeletal pain into a comprehensive publication that explores translational aspects relevant to clinical pain. T. Graven-Nielsen, L. Arendt-Nielsen, S. Mense (Eds), 2008, ISBN 978-0-931092-72-5, 496 pp, hardbound. Price: US$90.00 [IASP members US$70.00]

Systematic Reviews in Pain Research: Methodology Refined

Immune and Glial Regulation of Pain
This authoritative volume describes immune and glial factors within the peripheral and central nervous systems that relate to chronic pain states. J.A. DeLeo, L.S. Sorkin, L.R. Watkins (Eds), 2007, ISBN 978-0-931092-67-1, 443 pp, hardbound, with CD-ROM. Price: US$75.00 [IASP members US$60.00]

Pain 2008 – An Updated Review, Refresher Course Syllabus

Sleep and Pain

Central Neuropathic Pain: Focus on Poststroke Pain

Emerging Strategies for the Treatment of Neuropathic Pain
Offering the latest available information and a blueprint to meet new challenges, this volume is invaluable both to clinicians treating neuropathic pain and to researchers studying this problem. J.N. Campbell, A.I. Basbaum, A. Dray, R. Dubner, R.H. Dworkin, C.N. Sang (Eds), 2006, ISBN 978-0-931092-61-9, 514 pp, hardbound. Price: US$60.00 [IASP members US$64.00]

The Paths of Pain, 1975-2005
Published for the 30th anniversary of the World Congress on Pain, this publication by the world’s leading basic scientists and clinicians celebrates three decades of pain research and management. H. Merskey, J.D. Loeser, R. Dubner (Eds), 2005, ISBN 978-0-931092-66-5, 549 pp, hardbound. Price: US$65.00 [IASP members US$55.00]

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Pain 2010—An Updated Review
Refresher Course Syllabus
Editor: J. S. Mogil

Written by the contributors to the Refresher Courses in conjunction with the 13th World Congress on Pain in Montréal, Canada, Pain 2010 – An Updated Review features articles on modern pain research and treatment, with topics ranging from state-of-the-art techniques (brain imaging, genetics, and animal and volunteer models) and treatments (interventional therapies, psychological therapies, and pharmacotherapies) to updates in our understanding of pain disorders (e.g., cancer pain, neuropathic pain, musculoskeletal pain, complex regional pain syndrome, orofacial pain and headache, persistent postoperative pain, abdominal/pelvic pain, low back pain, and pediatric pain) and comorbidities (pain and addiction).

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**Pain 2010—An Updated Review: Refresher Course Syllabus**
*Editor: J. S. Mogil*

*New!* Written by the contributors to the Refresher Courses in conjunction with the 13th World Congress on Pain in Montréal, Canada. *Pain 2010—An Updated Review* features articles on modern pain research and treatment, with topics ranging from state-of-the-art techniques (brain imaging, genetics, and animal and volunteer models) and treatments (interventional therapies, psychological therapies, and pharmacotherapies) to updates in our understanding of pain disorders (e.g., cancer pain, neuropathic pain, musculoskeletal pain, complex regional pain syndrome, orofacial pain and headache, persistent postoperative pain, abdominal/pelvic pain, low back pain, and pediatric pain) and comorbidities (pain and addiction). 2010, ISBN 978-0-931092-84-8, 455 pp, softbound. Price: US$40.00

**Cancer Pain: From Molecules to Suffering**
*Editors: J.A. Paice, R.F. Bell, E.A. Kalso, and O.A. Soyannwo*

*New!* An in-depth analysis of basic and clinical research on cancer pain, this book is essential reading for clinicians, cancer researchers, and those involved in global health care. The authors discuss clinical trial designs, the psychology of cancer pain, and disparities in the availability of cancer care worldwide. 2010, ISBN 978-0-931092-81-7, 354 pp, softbound. Price: US$75.00 [IASP members US$60.00].

**Pharmacology of Pain**
*Editors: P. Beaulieu, D. Lussier, F. Porreca, A.H. Dickenson*

Knowledge of the preparation, uses, and effects of drugs has improved tremendously in recent decades, and therapeutic options for pain treatment have evolved concurrently. This book provides a complete review of pain-related pharmacology, including mechanisms of drug actions, clinical aspects of drug use, and new developments. This essential volume also describes the different systems involved in the perception, transmission, and modulation of pain and discusses the available options for pharmacological treatment of pain. 2010, ISBN 978-0-931092-78-7, 622 pp, hardbound. Price: US$100.00 [IASP members US$80.00].

**Functional Pain Syndromes: Presentation and Pathophysiology**
*Editors: E.A. Mayer, M.C. Bushnell*

This book explores the connection of functional pain syndromes—such as irritable bowel syndrome and fibromyalgia—with anxiety, depression, chronic fatigue syndrome, and post-traumatic stress disorder. The authors address possible common pathophysiological reviews and range a variety of treatment options, from antidepressants to cognitive-behavioral therapy. Whether you are a general practitioner, specialist, or scientist, this book is essential reading, shedding new light on the complex links between various painful disorders. 2009, ISBN 978-0-931092-75-6, 578 pp, softbound. Price: US$95.00 [IASP members US$75.00].
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Wednesday 1 September 2010
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- Acute Pain
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- Clinical/Legal Issues in Pain
- Neuropathic Pain
- Orofacial Pain
- Pain and Movement
- Pain and Pain Management in Non-Human Species
- Pain and the Sympathetic Nervous System
- Pain in Childhood
- Pain in Older Persons
- Pain of Urogenital Origin
- Pain Related to Torture, Organized Violence, and War
- Placebo
- Sex, Gender, and Pain
- Systematic Reviews in Pain Relief
New Concepts for Treatment of Localized Neuropathic Pain

Wednesday, 1st September, 18:15 – 19:45 h, Venue: Room 710 A

Program:
Chairman: Assoc. Prof. Nanna Finnerup
Department of Neurology, Danish Pain Research Center Aarhus University Hospital, Aarhus, Denmark

1. The concept of localized neuropathic pain
Dr. Gérard Mick, France
University Hospital, Neurological Hospital Pain Center, Lyon, France

2. 5 % lidocaine medicated plaster – New findings explaining the mode of action
Dr. Andreas Binder, Germany
Division of Neurological Pain Research and Therapy, Department of Neurology Universitaetsklinikum Schleswig Holstein, Campus Kiel, Germany

3. Current evidence of 5 % lidocaine medicated plaster for relief of neuropathic pain in patients with PHN in comparison to other relevant treatments
Dr. Jos Kleijnen, The Netherlands
Care and Public Health Research Institute (CAPHRI), Maastricht University, Maastricht, Netherlands

4. Summary and update on guidelines on treatment of neuropathic pain
Assoc. Prof. Nanna Finnerup, Denmark

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**Cancer Pain: From Molecules to Suffering**

Editors: Judith A. Paice, Rae F. Bell, Eija A. Kalso, and Olaitan A. Soyannwo

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Reports of serious adverse events, including deaths in patients treated with FENTORA have been reported. Deaths occurred as a result of improper patient selection (e.g., use in opioid non-tolerant patients) and/or improper dosing. The substitution of FENTORA for any other fentanyl product may result in fatal overdose.

FENTORA is indicated only for the management of breakthrough pain in patients with cancer who are already receiving and who are tolerant to around-the-clock opioid therapy for their underlying persistent cancer pain. Patients considered opioid tolerant are those who are taking around-the-clock medicine consisting of at least 60 mg of oral morphine daily, at least 25 mcg of transdermal fentanyl/hour, at least 30 mg of oxycodone daily, at least 8 mg of oral hydromorphone daily, or an equianalgesic dose of another opioid daily for a week or longer.

FENTORA is not indicated for use in opioid non-tolerant patients including those with only as needed (PRN) prior exposure.

FENTORA is contraindicated in the management of acute or postoperative pain including headache/migraine. Life-threatening respiratory depression could occur at any dose in opioid non-tolerant patients. Deaths have occurred in opioid non-tolerant patients.

When prescribing, do not convert patients on a mcg per mcg basis from Actiq® to FENTORA. Carefully consult the Initial Dosing Recommendations table. (See DOSAGE AND ADMINISTRATION, Table 7.)

When dispensing, do not substitute a FENTORA prescription for other fentanyl products. Substantial differences exist in the pharmacokinetic profile of FENTORA compared to other fentanyl products that result in clinically important differences in the extent of absorption of fentanyl. As a result of these differences, the substitution of FENTORA for any other fentanyl product may result in fatal overdose.

Special care must be used when dosing FENTORA. If the breakthrough pain episode is not relieved after 30 minutes, patients may take ONLY one additional dose using the same strength and must wait at least 4 hours before taking another dose. (See DOSAGE AND ADMINISTRATION.)

FENTORA contains fentanyl, an opioid agonist and a Schedule II controlled substance, with an abuse liability similar to other opioid analgesics. FENTORA can be abused in a manner similar to other opioid agonists, legal or illicit. This should be considered when prescribing or dispensing FENTORA in situations where the physician or pharmacist is concerned about an increased risk of misuse, abuse or diversion. Schedule II opioid substances which include morphine, oxycodone, hydromorphone, oxymorphone, and methadone have the highest potential for abuse and risk of fatal overdose due to respiratory depression.

Patients and their caregivers must be instructed that FENTORA contains a medicine in an amount which can be fatal to a child. Patients and their caregivers must be instructed to keep all tablets out of the reach of children. (See Information for Patients and Caregivers for disposal instructions.)

FENTORA is intended to be used only in the care of opioid tolerant cancer patients and only by healthcare professionals who are knowledgeable of and skilled in the use of Schedule II opioids to treat cancer pain.

The concomitant use of FENTORA with strong and moderate cytochrome P450 3A4 inhibitors may result in an increase in fentanyl plasma concentrations, and may cause potentially fatal respiratory depression.

For more information about FENTORA, please visit www.FENTORA.com or call Cephalon at 1-800-896-5855. Please see boxed warning and brief summary of prescribing information on adjacent pages.

FENTORA® (fentanyl buccal tablet) CII

Brief Summary of Prescribing Information. The following is a brief summary only. Please see full Prescribing Information for complete product information.

PHYSICIANS AND OTHER HEALTHCARE PROVIDERS MUST BECOME FAMILIAR WITH THE CLINICAL PHARMACOLOGY AND THERAPEUTIC USE OF FENTORA IN ORDER TO PROPERLY MANAGE INDICATIONS AND USAGE

- The concomitant use of FENTORA with strong and moderate cytochrome P450 3A4 inhibitors should be carefully monitored for an extended period of time. Strong CYP3A4 inhibitors should be used with caution in patients with chronic obstructive pulmonary disease (COPD) and not used in patients with chronic obstructive pulmonary disease or asthma. The concomitant use of fentanyl with strong CYP3A4 inhibitors should be used with caution in patients with chronic obstructive pulmonary disease or asthma. The concomitant use of fentanyl with strong CYP3A4 inhibitors should be used with caution in patients with chronic obstructive pulmonary disease or asthma.

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amine or E. coli, fentanyl was not mutagenic in the Ames reverse mutation assay or the Salmonella typhimurium strain used in the in vivo mouse micronucleus assay. Fentanyl impairs fertility in rats at doses of 30 mcg/kg IV and 160 mcg/kg SC. Conversion to human equivalent doses indicates this is within the range of the human recommended dosing for FENTORA.

**Pregnancy** - Category C: There are no adequate and well-controlled studies in pregnant women. FENTORA should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus. No epidemiological studies of congenital anomalies in infants born to women treated with fentanyl during pregnancy have been reported. Chromosomal anomalies in fetuses during fentanyl therapy have been associated with transient respiratory depression, behavioral changes, or seizures characteristic of neuronal/organ system immaturity in newborn rats. Symptoms of neonatal respiratory or neurological depression were no more frequent than expected in most studies of infants born to women treated acutely during labor with intravenous or epidural fentanyl. Treatment of neonatal respiratory or neurological depression was usually observed in infants whose mothers had been treated with intravenous fentanyl. Fentanyl is embryoicidal as evidenced by increased resorptions in pregnant rats at doses of 30 mcg/kg IV or 160 mcg/kg SC. Conversion to human equivalent doses indicates this is within the range of the human recommended dosing for FENTORA. Fentanyl citrate was not teratogenic when administered to pregnant animals. Published studies demonstrated that administration of fentanyl (10, 100, or 500 mcg/kg/day) to pregnant female rats from gestation day 6 to term, n (%)

### Table 5. Adverse Events Which Occurred During Titration at a Frequency of ≥5%

<table>
<thead>
<tr>
<th>System Organ Class</th>
<th>100 mcg (N=45)</th>
<th>200 mcg (N=64)</th>
<th>400 mcg (N=52)</th>
<th>600 mcg (N=56)</th>
<th>800 mcg (N=113)</th>
<th>Total (N=304)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Nervous System</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Headache</td>
<td>2 (4)</td>
<td>2 (3)</td>
<td>4 (8)</td>
<td>5 (9)</td>
<td>9 (8)</td>
<td>24 (8)</td>
</tr>
<tr>
<td>Fatigue</td>
<td>4 (9)</td>
<td>5 (8)</td>
<td>10 (19)</td>
<td>11 (20)</td>
<td>17 (15)</td>
<td>57 (19)</td>
</tr>
<tr>
<td>Dizziness</td>
<td>3 (6)</td>
<td>2 (3)</td>
<td>4 (8)</td>
<td>6 (10)</td>
<td>16 (14)</td>
<td>42 (14)</td>
</tr>
<tr>
<td>Somnolence</td>
<td>4 (8)</td>
<td>4 (6)</td>
<td>9 (17)</td>
<td>8 (14)</td>
<td>16 (14)</td>
<td>48 (16)</td>
</tr>
</tbody>
</table>

* Three hundred and two (322) patients were included in the safety analysis.

### Table 6. Adverse Events Which Occurred During Long-Term Treatment at a Frequency of ≥5%

<table>
<thead>
<tr>
<th>System Organ Class</th>
<th>100 mcg (N=45)</th>
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<td>3 (5)</td>
<td>5 (10)</td>
<td>7 (13)</td>
<td>14 (12)</td>
<td>39 (13)</td>
</tr>
<tr>
<td>Fatigue</td>
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<td>48 (16)</td>
</tr>
</tbody>
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In addition, a small number of patients (n=11) with Grade 1 mucositis were included in clinical trials designed to support the safety of FENTORA. There was no evidence of excess toxicity in this subset of patients. The duration of exposure to FENTORA varied greatly, and included open-label and double-blind studies. The frequencies listed in the table below represent ≥5% of patients from 3 clinical trials who experienced an event while receiving FENTORA.

### Table 7. Adverse Events Which Occurred During Long-Term Treatment at a Frequency of ≥5%

<table>
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<tr>
<th>System Organ Class</th>
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</tr>
</tbody>
</table>
Patients receiving CYP3A4 inhibitors: Particular caution should be exercised for patients receiving CYP3A4 inhibitors, and the lowest possible dose should be used in these patients. (See PRECAUTIONS.)

Patients with mucositis: No dose adjustment appears necessary in patients with Grade 1 mucositis. The safety and efficacy of FENTORA when used in patients with mucositis more severe than Grade 1 have not been studied.

Opening the Blister Package
1. Patients should be instructed not to open the blister until ready to administer FENTORA.
2. A single blister unit should be separated from the blister card by bending and tearing apart at the perforations.
3. The blister unit should then be bent along the line where indicated.
4. The blister backing should then be peeled back to expose the tablet. Patients should NOT attempt to push the tablet through the blister as this may cause damage to the tablet.
5. The tablet should not be stored once it has been removed from the blister package as the tablet integrity may be compromised and, more importantly, because this increases the risk of accidental exposure to the tablet.

Tablet Administration: Once the tablet is removed from the blister unit, the patient should immediately place the entire FENTORA tablet in the buccal cavity (above a rear molar, between the upper cheek and gum). Patients should not attempt to split the tablet. The FENTORA tablet should not be sucked, chewed or swallowed, as this will result in lower plasma concentrations than when taken as directed. The FENTORA tablet should be left between the cheek and gum until it has disintegrated, which usually takes approximately 14-25 minutes. After 30 minutes, if remnants from the FENTORA tablet remain, they may be swallowed with a glass of water. It is recommended that patients alternate sides of the mouth when administering subsequent doses of FENTORA.

SAFETY AND HANDLING: FENTORA is supplied in individually sealed, child-resistant blister packages. The amount of fentanyl contained in FENTORA can be fatal to a child. Patients and their caregivers must be instructed to keep FENTORA out of the reach of children. (See BOXED WARNING, WARNINGS, PRECAUTIONS, and MEDICATION GUIDE.) Store at 20-25°C (68-77°F) with excursions permitted between 15° and 30°C (59° to 86°F) until ready to use. (See USP Controlled Room Temperature.) FENTORA should be protected from freezing and moisture. Do not use if the blister package has been tampered with.

Manufactured for:
Cephalon, Inc.
Frazer, PA 19355

By:
CIMA LABS, INC.® and Cephalon, Inc.
10000 Valley View Road and 4745 Wiley Post Way
Eden Prairie, MN 55344 Salt Lake City, UT 84116

U. S. Patent Nos. 6,200,604 and 6,974,590
Printed in USA
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On September 3, 2010, the International Association for the Study of Pain (IASP) will hold the first International Pain Summit at the Palais des congrès de Montréal immediately following the 13th World Congress on Pain. The International Pain Summit in Montréal will be the first global meeting about the crucial aspects of pain management, with a focus on advocacy and assistance for all countries to develop national pain strategies.

Our Participants
- Leaders of current initiatives, including representatives from IASP’s 84 national chapters
- Senior health administrators and ministers
- Palliative care organizations
- International Narcotics Control Board representatives
- Human rights advocates
- World Health Organization (WHO)
- National consumer (patient) organizations
- International media

International Pain Summit Mission
To improve the quality of life for people living with pain, and to minimize the burden of pain on individuals and communities worldwide.

Our Goals
- Increase awareness of the human suffering, health care burden, and economic impact created by untreated pain of all types, including:
  - acute pain
  - chronic pain
  - pain caused by health conditions such as cancer and HIV/AIDS
  - pain caused by treatments such as surgery and radiotherapy
- Develop a set of desirable characteristics of international pain strategies
- Support pain treatment as a fundamental human right
Do something good for yourself and for others!
Thank you for taking a moment to participate in the Charity Walk at the Grünenthal booth in the exhibition area.

Grünenthal will convert every kilometer you walk to a financial donation to support unrestrictedly IASP’s Developing Countries Program. This program provides grants to improve the scope and availability of essential education for pain clinicians in developing countries.
Leading change in pain management

Astellas is committed to Changing tomorrow by addressing challenging medical conditions where significant unmet needs exist. The field of pain management aligns with these goals.

We work to address the core mechanisms of pain based on a deep understanding gained from patients suffering from its physical and emotional challenges. Through a rational drug discovery process, we aim to provide treatments that help ease the debilitating physical and psychological impacts of pain by delivering targeted efficacy with minimal burden.

www.astellas.eu

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NUVO is focused on PAIN and finding the right solution (or gel or patch).

Nuvo Research Inc.’s focus is on the research and development of drug products primarily for the treatment of pain that are delivered into and through the skin using its topical and transdermal drug delivery technologies. Nuvo’s lead product Pennsaid® is currently marketed in the U.S., Canada and certain European countries.

www.nuvoresearch.com

Pennsaid® is a non-steroidal anti-inflammatory drug (NSAID) indicated for the treatment of signs and symptoms of osteoarthritis of the knee(s).