



Ryan C. Jacobsen, MD, FAAEM, FACEP, FAEMS

Emergency Medicine and EMS Physician

jacobsenems@gmail.com

Mobile: 913-617-0642

Summary of Experience:

An experienced Emergency Medicine and EMS Physician who provides medical oversight to approximately 900 out-of-hospital providers/911 dispatchers in an EMS System that consists of multiple fire departments, a county-based ambulance service and 911 emergency dispatch center. Board certified in Emergency Medicine and subspecialty board certified in EMS (specialist in prehospital medicine). Maintains an active field physician clinical practice by responding to 911 calls in the community as well as an active clinical practice in the Emergency Department. Chair of the Kansas Board of EMS Medical Advisory Council and Board Member of the Great Plains chapter of the National Association of EMS Physicians. Served at the national level as an ex-officio board member for the National Association of EMS Physicians as Chair of the Standards and Clinical Practices Committee (2019-2021). A national speaker who has presented numerous lectures to out-of-hospital providers, medical students and resident physicians regarding Emergency Medicine and EMS. Multiple awards and honors received for teaching ability. Actively publishes and participates in research related to EMS and Emergency Medicine.

Present Positions

6/2013-present	EMS MEDICAL DIRECTOR Johnson County EMS System and 911 Emergency Communications Center
2/2020-present	ASSOCIATE PROFESSOR OF EMERGENCY MEDICINE University of Kansas School of Medicine Kansas City, KS
7/2019-present	ATTENDING PHYSICIAN Department of Emergency Medicine University of Kansas Hospital

Previous Positions

5/2019—2/2020	CLINICAL ASSOCIATE PROFESSOR OF EMERGENCY MEDICINE University of Kansas School of Medicine Kansas City, KS
9/2018-10/2019	CLINICAL ASSOCIATE PROFESSOR OF EMERGENCY MEDICINE University of Missouri-Kansas City School of Medicine Kansas City, MO
7/2009-10/2019	ATTENDING PHYSICIAN Department of Emergency Medicine Truman Medical Center Kansas City, MO

7/2009-9/2019	ATTENDING PHYSICIAN Division of Emergency Medical Services Children's Mercy Hospital and Clinics Kansas City, MO
5/2018-5/2019	CLINICAL ASSISTANT PROFESSOR Department of Pediatrics University of Kansas School of Medicine Kansas City, KS
10/2014-9/2018	CLINICAL ASSISTANT PROFESSOR OF EMERGENCY MEDICINE University of Missouri-Kansas City School of Medicine Kansas City, MO
7/2009-10/2014	ASSISTANT PROFESSOR OF EMERGENCY MEDICINE University of Missouri-Kansas City School of Medicine Kansas City, MO
7/2012-7/2013	ASSOCIATE CHIEF, SECTION OF EMS Department of Emergency Medicine Truman Medical Center Kansas City, MO
1/2012-7/2013	MEDICAL DIRECTOR FOR EMS EDUCATION University of Missouri-Kansas City School of Medicine EMT/Paramedic Training Program Kansas City, MO
7/2009-7/2013	PREHOSPITAL/EMS ROTATION COURSE DIRECTOR Truman Medical Center Emergency Medicine Residency Program University of Missouri-Kansas City School of Medicine Kansas City, MO
7/2009-6/2013	ASSOCIATE EMS MEDICAL DIRECTOR Kansas City Fire Department/MAST Ambulance Kansas City, MO
7/2008-6/2009	CHIEF RESIDENT Emergency Medicine Residency Training Program University of Missouri-Kansas City School of Medicine/Truman Medical Center Kansas City, MO
1998-2003	PARAMEDIC Johnson County Medical Action (Med-Act) Ambulance Johnson County, KS

Professional Activities

10/2022-present	BOARD MEMBER, Great Plains Chapter (KS/MO/IA/NE) of the National Association of EMS Physicians (NAEMSP) Elected position
1/2021-present	MEMBER, Emergency Management Committee University of Kansas Hospital Kansas City, KS
10/2020-present	EMS MEDICAL DIRECTOR REPRESENTATIVE Kansas Northeast Regional Trauma Council Pre-PIPS Screening Subcommittee Topeka, KS
3/2020-present	MEMBER, Kansas City Mid-America Regional Council Health Care Coalition Steering Committee and Threat Assessment Team Kansas City, MO
9/2019-1/2021	MEMBER, National Association of EMS Physicians (NAEMSP) Nominating Committee Appointed by Immediate Past President Brent Meyers, MD Overland Park, KS
9/2019-10/2020	EXPERT CONTENT REVIEWER, American College of Emergency Physicians (ACEP) Evidence-based consensus recommendations on the identification and management of sepsis in the emergency department Appointed to represent NAEMSP by President David Tan, MD
4/2019-present	MEDICAL DIRECTOR, MOKAN (Mo/KS) Resuscitation Academy Mid-America Regional Council on Emergency Rescue (MARCER) Kansas City, MO
1/2019-1/2021	CHAIR, National Association of EMS Physicians (NAEMSP) Standards and Clinical Practice Committee Appointed by President David Tan, MD
1/2019-1/2021	EX-OFFICIO BOARD MEMBER, Board of Directors of National Association of EMS Physicians (NAEMSP) Overland Park, KS
2018-present	MEDICAL DIRECTOR, Shawnee Mission School District Opioid Antagonist Administration Program Shawnee Mission, KS
2018-present	MEDICAL DIRECTOR, KS Department of Revenue's Bureau of Alcohol and Beverage Control Opioid Antagonist Administration Program Topeka, KS

2018-present	MEDICAL DIRECTOR, Shawnee Police, Leawood Police, Lenexa Police, Merriam Police, Westwood Police, Olathe Police and Johnson County Sheriff Office Opioid Antagonist Administration Program
9/2018-present	MEDICAL TEAM MANAGER, Kansas Search and Rescue Task Force 3 (KC Region) Office of the State Fire Marshall Topeka, KS
2/2018-present	MEMBER, Lifeflight Eagle (Air Medical) Medical Control Board Kansas City, MO
8/10/2017-9/2022	VICE-PRESIDENT, National Association of EMS Physicians (NAEMSP) Kansas State Chapter Elected position by membership
11/16/2016-present	Inducted in inaugural class as Fellow of the Academy of Emergency Medical Services (FAEMS) by NAEMSP
1/2015-present	CHAIR, Medical Advisory Council (MAC) for the State of Kansas Board of EMS Elected from MAC membership (re-elected in 2017, 2019) Topeka, KS
6/2013-present	MEMBER, Advisory Board for Johnson County Community College EMS Training Program Overland Park, KS
8/2013-present	MEMBER, Medical Advisory Council (MAC) for the Kansas Board of EMS Topeka, KS
1/2015-6/2016	MEDICAL DIRECTOR, Johnson County Medicaid Health Homes Program Johnson County, KS
10/2012-present	Fellow of the American College of Emergency Physicians (FACEP)
4/25/2012	MOCK ORAL BOARD EXAMINER University of Nebraska Medical Center Emergency Medicine Residency Omaha, NE
4/28/2011	MOCK ORAL BOARD EXAMINER University of Nebraska Medical Center Emergency Medicine Residency Omaha, NE
3/2011	MEMBER, National Registry of EMTs (NREMT) Paramedic Item Writing Committee Columbus, OH
9/2010-9/2011	MEMBER, American College of Emergency Physicians (ACEP) EMS Committee
7/2009-present	MEMBER, National Association of EMS Physicians Standards and Clinical Practice Committee

Education

7/2006-6/2009	EMERGENCY MEDICINE RESIDENCY (Post-Graduate Training) University of Missouri-Kansas City/Truman Medical Center Kansas City, MO
8/2002-5/2006	DOCTOR OF MEDICINE (M.D.) University of Kansas School of Medicine Kansas City, KS
1/2000-5/2002	BACHELOR OF GENERAL STUDIES (BGS) IN HUMAN BIOLOGY University of Kansas Lawrence, KS
1996-1997	PARAMEDIC University of Iowa Hospitals and Clinics Emergency Medical Services Learning Resource Center (EMSLRC) Iowa City, IA
8/1994-12-1996	UNDERGRADUATE COURSE WORK University of Iowa Iowa City, IA

Certifications

6/14/2010-present	Diplomate, American Board of Emergency Medicine Certification #: 47883 Recertified: 2020 (expiration: 12/31/2030)
12/23/2015-12/2025	Sub-specialty Board Certification in Emergency Medical Services (EMS) Certification #: 47783
2006-present	Advanced Trauma Life Support (ATLS) provider
1997-present	Advanced Cardiac Life Support (ACLS) provider
1997-present	Pediatric Advanced Life Support (PALS) provider
1997-present	Basic Life Support (BLS) provider
1998-12/2017	Paramedic-Certified in the state of Kansas

Medical Licensure

1/2008-present	State of Missouri
4/2013-present	State of Kansas

Professional Society Memberships

2021-present	Society of Academic Emergency Physicians (SAEM)
2021-present	American Academy of Emergency Medicine (AAEM)
2013-present	Kansas Medical Society (KMS)
2005-present	National Association of EMS Physicians (NAEMSP)
2002-present	American College of Emergency Physicians (ACEP)

Honors and Awards

2022	<p>ALPHA OMEGA ALPHA (AOA) HONOR MEDICAL SOCIETY, KANSAS ALPHA CHAPTER</p> <p>Inducted as Alumni Member</p> <p>Founded in 1902, election to Alpha Omega Alpha is an honor signifying a lasting commitment to professionalism, leadership, scholarship, research, and community service. A lifelong honor, membership in the society confers recognition for a physician's dedication to the profession and art of healing.</p>
1/16/2021	<p>PRESIDENT'S AWARD</p> <p>Honors a member of NAEMSP who has demonstrated exceptional commitment to the organization by creating new initiatives or furthering the work of the organization.</p> <p>Virtual Annual Scientific Assembly Awards Luncheon 2021</p>
3/2019	<p>NOMINATED FOR SYNERGY'S 29TH ANNUAL KINDEST KANSAS CITIAN AWARD</p> <p>Nominated by Kate Nickel (3rd grader at Forest View Elementary School in Olathe, KS) for successfully resuscitating her grandmother who suffered a cardiac arrest by using an AED and performing CPR while off-duty.</p> <p>Olathe, KS</p>
8/12/2017	<p>KANSAS EMS PHYSICIAN OF THE YEAR</p> <p>Awarded annually by the Kansas EMS Association (KEMSA) for EMS Medical Director who provides commendable service to the benefit of EMS in Kansas and has made a positive impact on EMS in Kansas.</p> <p>Mulvane, KS</p>
1/31/2015	<p>Recognition by Missouri Athletic Trainer's Association (MOTA) for valuable contribution and support of the 3rd Annual MOTA Educator's and Student Leadership Conference.</p> <p>Marshall, MO</p>
4/16/2014	<p>OUTSTANDING CONTRIBUTION TO EMS</p> <p>Lee's Summit Fire Department Recognition for contribution to EMS</p> <p>Lee's Summit Fire Department Headquarters</p> <p>Lee's Summit, MO</p>
6/22/2013	<p>FACULTY TEACHING AWARD</p> <p>University of Missouri-Kansas City School of Medicine/Truman Medical Center Emergency Medicine Residency Training Program</p> <p>Awarded annually to one faculty member for outstanding teaching of Emergency Medicine Residents</p> <p>Kansas City, MO</p>
6/16/2012	<p>FACULTY TEACHING AWARD</p> <p>University of Missouri-Kansas City School of Medicine/Truman Medical Center Emergency Medicine Residency Training Program</p>

	Awarded annually to one faculty member for outstanding teaching of Emergency Medicine Residents Kansas City, MO
6/12/2011	FACULTY TEACHING AWARD University of Missouri-Kansas City School of Medicine/Truman Medical Center Emergency Medicine Residency Training Program Awarded annually to one faculty member for outstanding teaching of Emergency Medicine Residents Kansas City, MO
3/17-3/19/2011	CERTIFICATE OF APPRECIATION Outstanding performance and lasting contribution to the Paramedic Item Writing Committee for the National Registry of EMTs (NREMT) Columbus, OH
6/12/2010	FACULTY TEACHING AWARD University of Missouri-Kansas City School of Medicine/Truman Medical Center Emergency Medicine Residency Training Program Awarded annually to one faculty member for outstanding teaching of Emergency Medicine Residents Kansas City, MO
6/2009	CHILDREN'S MERCY EMERGENCY MEDICINE RESIDENT OF THE YEAR Emergency Medicine Residency University of Missouri-Kansas City School of Medicine/Truman Medical Center Kansas City, MO
6/2009	THOMAS M. ELENBAS AWARD FOR BEST RESIDENT RESEARCH PRESENTATION Emergency Medicine Residency University of Missouri-Kansas City School of Medicine/Truman Medical Center Kansas City, MO
6/2009	EMERGENCY MEDICINE RESIDENT OF THE YEAR Emergency Medicine Residency University of Missouri-Kansas City School of Medicine/Truman Medical Center Kansas City, MO
2007, 2008, 2009	HIGHEST SCORE OF ALL RESIDENTS AT TMC EMERGENCY MEDICINE RESIDENCY PROGRAM ON ANNUAL NATIONAL BOARD OF MEDICAL EXAMINERS (NBME) IN- TRAINING EXAM
5/2006	EMERGENCY MEDICINE STUDENT OF THE YEAR University of Kansas School of Medicine Kansas City, MO
2006	RECOGNITION FOR OUTSTANDING ACHIEVEMENT IN PEDIATRICS CLERKSHIP University of Kansas School of Medicine Kansas City, KS

- 2006 RECOGNITION FOR OUTSTANDING ACHIEVEMENT IN FAMILY MEDICINE
CLERKSHIP
University of Kansas School of Medicine
Kansas City, KS
- 2005 ALPHA OMEGA ALPHA (AOA) HONOR SOCIETY
Inducted as Medical Student Member
University of Kansas School of Medicine
Kansas City, KS

Peer-Reviewed Publications

Out-of-Hospital Cold Water Immersion for Classic (Non-Exertional) Heat Stroke Guided by Real-time Core Temperature Monitoring: A Case Series. **Jacobsen RC**, Beaver B, Abo B. Prehosp Emerg Care. 2022 Nov 15;1-11. doi: 10.1080/10903127.2022.2148795. Epub ahead of print. PMID: 36377966.

Prone Dispatch-Directed CPR in Out-of-Hospital Cardiac Arrest: Two Successful Cases. **Jacobsen RC**, Beaver B, Olola C, Briggs AM, Scott G, Patterson BA, Wash G, Clawson JJ. (2022), Prehosp Emerg Care. DOI: 10.1080/10903127.2022.2058130

Woman with Chest Wall Mass and Abnormal EKG. Horky JJ, **Jacobsen RC**. J Am Coll Emerg Physicians Open. 2022;3(1): e12653. Published 2022 Feb 12. doi:10.1002/emp2.12653. PMID: 35169772

CODE BLUE-19: Proposal to Mitigate COVID-19 Transmission in the Emergency Department for Out-of-hospital Cardiac Arrest. Nguyen D, Sarani N, Marshall KD, Cannon CM, **Jacobsen RC**, Pirotte A, Pittenger C, Wong EK, Dodson NP, LaCapra M, Howe K. West J Emerg Med. 2020 Sep 24;21(6):71-77. doi: 10.5811/westjem.2020.7.48436. PMID: 33207154

Disparity in Receipt and Utilization of Telecommunicator CPR Instruction. Amen A, Karabon P, Bartram C, Irwin K, Dunne R, Wolff M, Daya MR, Vellano K, McNally B, **Jacobsen RC**, Swor R, Cares Surveillance Group. Prehosp Emerg Care. 2020 Jul-Aug;24(4):544-549. doi: 10.1080/10903127.2019.1680781. Epub 2019 Nov 13. PMID: 31613657

Comparative Performance of Pediatric Weight Estimation Techniques: A Human Factor Errors Analysis. Abdel-Rahman SM, **Jacobsen R**, Watts JL, Doyle SL, O'Malley DM, Hefner TD, Dowd MD. Pediatr Emerg Care. 2017 Aug;33(8):548-552. doi: 10.1097/PEC.0000000000000543. PMID: 28777773

Two successive necrotic lesions secondary to presumed loxosceles envenomation. Tarullo DB, **Jacobsen RC**, Algren DA. Wilderness Environ Med. 2013 Jun;24(2):132-5. doi: 10.1016/j.wem.2012.11.004. Epub 2013 Jan 24. PMID: 23352313

Successful administration of intranasal glucagon in the out-of-hospital environment. Sibley T, **Jacobsen R**, Salomone J.

Prehosp Emerg Care. 2013 Jan-Mar;17(1):98-102. doi: 10.3109/10903127.2012.717171. Epub 2012 Sep 12. PMID: 22971130

Anaphylaxis knowledge among paramedics: results of a national survey.

Jacobsen RC, Toy S, Bonham AJ, Salomone JA 3rd, Ruthstrom J, Gratton M.

Prehosp Emerg Care. 2012 Oct-Dec;16(4):527-34. doi: 10.3109/10903127.2012.689931. Epub 2012 Jun 19. PMID: 22712745

Complications from Pre-Hospital Immobilization. Biller D, **Jacobsen R**. Journal of Paramedic Practice. 2012 May; Vol 4(Issue 5): 277 - 282. ISSN: 1759-1376 / e-ISSN: 2041-9457

Comparing activation and recoil forces generated by epinephrine autoinjectors and their training devices.

Jacobsen RC, Guess TM, Burks AW.

J Allergy Clin Immunol. 2012 Apr;129(4):1143-5.e4. doi: 10.1016/j.jaci.2011.10.007. Epub 2011 Nov 10. PMID: 22078473

The use of epinephrine for out-of-hospital treatment of anaphylaxis: resource document for the National Association of EMS Physicians position statement.

Jacobsen RC, Millin MG.

Prehosp Emerg Care. 2011 Oct-Dec;15(4):570-6. doi: 10.3109/10903127.2011.598619. Epub 2011 Aug 8. PMID: 21823930

Out-of-hospital lingual dystonia resulting in airway obstruction.

Jacobsen RC. Prehosp Emerg Care. 2011 Oct-Dec;15(4):537-40. doi: 10.3109/10903127.2011.598612. Epub 2011 Aug 8. PMID: 21823929

A case of unrecognized prehospital anaphylactic shock.

Jacobsen RC, Gratton MC. Prehosp Emerg Care. 2011 Jan-Mar;15(1):61-6. doi: 10.3109/10903127.2010.519823. Epub 2010 Oct 18. PMID: 20954971

Giant Cell Arteritis: A Clinical Review for Urgent Care Providers. **Jacobsen RC**. Journal of Urgent Care Medicine. 2011 Apr; 5 (7): 9-18. Epub 2011 Apr 1.

Research Presentations at National Meetings

Jacobsen RC, Patel J, Briggs AM, Gleeson B, Nazir, N. Impact of Environmental Conditions on Firefighter Vital Signs and Time Spent in Firefighter Incident Rehabilitation. Poster Presentation at National Association of EMS Physicians (NAEMSP) Annual Meeting.

San Diego, CA

January 2022

Beaver B, Dunn T, Frantz E, Nugent M, Valentine B, Thornton S, **Jacobsen RC**. Prehospital Flumazenil Use: A Descriptive Study. Poster Presentation at National Association of EMS Physicians (NAEMSP) Annual Meeting.

San Diego, CA

January 2022

Fisher T, Kennedy CS, Watts J, **Jacobsen R**. A Targeted Assessment of Paramedics' Pediatric Educational Needs. PAS Poster Symposium. Presented at the Pediatric Academic Societies Annual Meeting.

San Francisco, CA

May 2017

Watts J, **Jacobsen R**, Doyle S, Abdel-Rahman S, O'Malley D, Hefner T, Dowd MD. A New Pediatric Weight Estimation Device. Lightning Oral Presentation. Presented at the Society of Academic Emergency Medicine Annual Meeting.
Atlanta, GA
May 2013

Watts J, **Jacobsen R**, Doyle S, Abdel-Rahman S, O'Malley D, Hefner T, Dowd MD. Performance of a New Pediatric Weight Estimation Device with Untrained Raters. Presented at Pediatric Academic Societies Annual Meeting.
Washington, D.C.
May 2013

Doyle S, O'Malley D, Abdel-Rahman S, **Jacobsen R**, Watts J, Dowd MD, Hefner T. Correct Use of Weight Estimation Techniques Among Pediatric Nurses. Presented at Society of Pediatric Nurses Annual Convention.
Nashville, TN
April 2013

Jacobsen RC, Watts J, Abdel-Rahman S, Doyle S, O'Malley D, Hefner T, Dowd D. Novel Pediatric Weight Estimation Tool for EMS Providers. Presented at National Association of EMS Physicians (NAEMSP) Annual Meeting.
Bonita Springs, FL
January 11th, 2013

Jacobsen RC, Toy S, Bonham A, Salomone J, Ruthstrom J, Gratton MC. Anaphylaxis Knowledge Among Paramedics: Results of a National Survey. Presented at Society of Academic Emergency Physicians (SAEM) Annual Meeting.
Chicago, IL
May 11th, 2012

Jacobsen RC, Guess TM, Burks AW. Comparing activation and recoil forces generated by epinephrine auto injectors and their training devices. Presented at American Academy of Allergy, Asthma and Immunology (AAAAI) Annual Meeting.
Orlando, FL
March 5th, 2012

Invited Speaker/Presentations

11/16/2022 “EMS Overview for Pediatric Emergency Medicine Fellows”
Children’s Mercy Pediatric Emergency Medicine Fellowship Conference
Children’s Mercy Hospitals and Clinics
Kansas City, MO

10/13/2022 “Can an Autopsy Improve EMS Quality? Partnering with your Medical Examiner to Enhance EMS Care”
EMS World Expo
Orlando, FL

10/13/2022	<p>“Immersive Cooling in the Field...Surprising Lessons Learned and a How to Guide for An Emerging Best Practice in EMS”</p> <p>EMS World Expo</p> <p>Orlando, FL</p>
10/5/2022	<p>“EMS Communications to the ED”</p> <p>KUMC Emergency Medicine Residency Lecture Series</p> <p>University of Kansas School of Medicine</p> <p>Kansas City, KS</p>
9/28/2022	<p>“The Challenges of Large Vessel Occlusions in EMS”</p> <p>Bi-State Stroke Symposium/Stroke Hot Topics</p> <p>Virtual</p>
8/14/2022	<p>“Partnering with your Medical Examiner to Improve EMS Quality”</p> <p>2022 Kansas EMS Association (KEMSA) Convention and Expo</p> <p>Mulvane, KS</p>
7/26/2022	<p>“Surgical Airways”</p> <p>Tactical Emergency Medical Support Course</p> <p>Kansas City Metro Tactical Officers Association</p> <p>Lenexa Police Headquarters</p> <p>Lenexa, KS</p>
6/21/2022	<p>“Dispatch-Directed Prone CPR”</p> <p>University of Iowa EMS Fellowship Program</p> <p>Virtual</p>
5/10/2022	<p>“Prone CPR in Emergency Medical Dispatching”</p> <p>Florida EMS Webinar/Podcast</p> <p>Virtual</p>
4/28/2022	<p>“Is Prone CPR an Effective Tool for Dispatchers?”</p> <p>Navigator Conference</p> <p>International Academies of Emergency Dispatch (IAED)</p> <p>Nashville, TN</p>
4/26/2022	<p>“Immersive Cooling in EMS: Is it Just for Exertional Heat Stroke?”</p> <p>28th Annual Scientific Assembly</p> <p>American Academy of Emergency Medicine (AAEM)</p> <p>Baltimore, MD</p>
4/6/2022	<p>“What Happens When Traditional CPR Can’t Happen?”</p> <p>KUMC Emergency Medicine Residency Lecture Series</p> <p>University of Kansas School of Medicine</p> <p>Kansas City, KS</p>
11/6/2021	<p>“Virtual Simulation in EMS”</p> <p>2nd Annual EMS Symposium Kid Care: Updates in Emergency Medicine for Prehospital Providers</p>

Children's Mercy Hospitals and Clinics
Kansas City, MO

- 10/28/2021 "The Elijah McClain Case" Panel with Dr. Ben Abo and Matthew Streger Esq.
10th Annual Fire and EMS Symposium
Olathe Fire Department
Olathe, KS
- 8/10/2021 "Medical Director and EMS Executive Forum"
Pinnacle EMS Conference
JW Marriott Desert Ridge Resort
Phoenix, AZ
- 7/7/2021 "High-Risk Refusals in EMS"
Johnson County Community College Paramedic Program
Overland Park, KS
- 7/7/2021 "Clinical-Pathologic-Case Conference, Elderly Altered Mental Status"
KUMC Emergency Medicine Residency Lecture Series
University of Kansas School of Medicine
Kansas City, KS
- 4/7/2021 "What would you do?...Answering the Biocom is Hard"
KUMC Emergency Medicine Residency Lecture Series
University of Kansas School of Medicine
Kansas City, KS
- 3/10/2021 "Femur Traction Splinting in EMS....Is it necessary?"
University of Kansas Medical Center Spring into Trauma Virtual Symposium
Kansas City, KS
- 10/23/2020 "Updates for EMS Medical Directors regarding COVID-19 and Out-of-Hospital Cardiac Arrest"
State-wide webinar hosted by University of Kansas Health System Care Collaborative for Kansas EMS Medical Directors
Olathe, KS (Virtual Delivery)
- 8/25/2020 "Decision-making Capacity and Ethical issues in EMS"
Johnson County Community College Paramedic Program
Overland Park, KS
- 8/14/2020 "Field Amputations and Hemorrhage Control in EMS"
KDHE Flex Grant Kansas EMS Medical Directors Conference
Kansas Medical Society
Topeka, KS
- 4/15/2020 "Decision-making as EMS Physician"
Children's Mercy Pediatric Emergency Medicine Fellowship Conference
Children's Mercy Hospitals and Clinics
Kansas City, MO

- 3/31/2020 "Healthier Business: Protecting the Physical and Financial Health of Businesses with the New Normal of COVID-19"
Webinar from PH.D Retirement Consulting and Better Business Bureau of Greater Kansas City
Overland Park, KS
- 3/27/2020 "EMS Challenges in Kansas with COVID-19"
State-wide Webinar hosted by KEMSA and The University of Kansas Health System Care Collaborative for Kansas EMS Medical Directors and Service Directors
Olathe, KS (Virtual Delivery)
- 1/11/2020 "Positions, Resources and Endorsements of NAEMSP 2019"
National Association of EMS Physicians Annual Meeting
General Session
Manchester Grand Hyatt
San Diego, CA
- 11/8/2019 "Large Vessel Occlusion Screening in EMS"
The 21st Annual Stroke Symposium "What's of 'Chief' Importance for 21st Century Stroke Care?"
Arrowhead Stadium
Kansas City, MO
- 9/11/2019 "C-collars: A Case Based Review of Evidence"
KUMC Emergency Medicine Residency Lecture Series
University of Kansas Hospital
Kansas City, KS
- 8/11/2019 "EMS State of the Art"
2019 Kansas EMS Association (KEMSA) Convention and Expo
Mulvane, KS
- 8/9/2019 "Epinephrine in Cardiac Arrest" and "Heads-Up CPR"
KDHE Flex Grant Kansas EMS Medical Directors Conference
Kansas Medical Society
Topeka, KS
- 7/17/2019 "12-leads" and "Capacity Determination"
Johnson County Community College Paramedic Program
Overland Park, KS
- 6/11/2019 "Risks and Benefits of Spinal Motion Restriction in EMS"
Lawrence/Douglas County Fire Medical EMS lecture
Lawrence, KS
- 5/9/2019 "When Care in the Clinic Turns into Emergency Care"
Overland Park Regional Medical Center Continuing Education Series

	Overland Park Regional Medical Center Overland Park, KS
5/26/2019	"Data and Quality in EMS" MOKAN Resuscitation Academy Lee's Summit Fire Department Lee's Summit, MO
3/14/2019	"Cognition, Capacity, and Competency in EMS" Experienced EMS Provider Course Johnson County Community College EMS Program Overland Park, KS
8/12/2018	"EMS State of the Art" 2018 Kansas EMS Association (KEMSA) Conference and Expo Mulvane, KS
6/21/2018	"C-collars and Trauma Controversy" Children's Mercy Kansas Nursing/Support Staff Department Updates Overland Park, KS
6/7/2018	"Opioid Epidemic and Public Safety" Sunflower Managed Care Organization Lenexa, KS
4/18/2018	"Opioid Epidemic" Rotary Club of Olathe #1625 Olathe Community Center Olathe, KS
4/6/2018	"Quality and Data Collection in Cardiac Arrest" MOKAN Resuscitation Academy Lenexa Fire Department Lenexa, KS
1/19/2018	"C-Collars.....More Harm than Good?" Topics in Trauma Truman Medical Center Kansas City, MO
11/16/2017	"C-Collars.....More Harm than Good?" Multi-Disciplinary Trauma Conference UMKC School of Medicine Kansas City, MO
8/13/2017	"EMS State of the Art" 2017 Kansas EMS Association (KEMSA) Conference and Expo Mulvane, KS

7/26/2017 "Double Sequential Defibrillation" and "12-Leads"
Johnson County Community College Paramedic Program
Overland Park, KS

7/25/2017 "Surgical Airways" and "Breathing/Ventilation"
Tactical Emergency Medical Support Course
Kansas City Metro Tactical Officers Association
Lenexa Police Headquarters
Lenexa, KS

6/29/2017 "A Community Discussion on Opioid Misuse in Johnson County: Concerns and Best Practices"
Member of Panel Discussion
Ball Conference Center
Olathe, KS

5/3/2017 "C-collars....More harm than good?"
Midwest Trauma Society Annual Conference
Stony Creek Lodge
Independence, MO

4/7/2017 "Quality and Data Collection in Cardiac Arrest"
MOKAN Resuscitation Academy
Central Jackson County Fire Protection District Training Center
Blue Springs, MO

3/16/2017 "What's New in EMS?"
Johnson County EMS Physicians Lecture Series
Johnson County Community College
Overland Park, KS

2/7/2017 Oral Testimony to Kansas House Committee on Health and Human Services regarding
HB 2217 (Expanded Access to Naloxone)

8/14/2016 "EMS: State of the Art"
2016 Kansas EMS Association (KEMSA) Conference and Expo
Mulvane, KS

8/13/2016 "Surgical Airways"
2016 Kansas EMS Association (KEMSA) Conference and Expo
Mulvane, KS

7/26/2016 "Surgical Airways" and "Breathing/Ventilation"
Tactical Emergency Medical Support Course
Kansas City Metro Tactical Officers Association
Lenexa, KS

4/8/2016 "Quality and Data in Cardiac Arrest"
MOKAN Resuscitation Academy
Overland Park Fire Department Training Center

Overland Park, KS

2/23/2016 "What's New in EMS?"
Johnson County EMS Physicians Lecture Series
Johnson County Community College
Overland Park, KS

1/21/2016 "Cricothyrotomy and Surgical Cricothyrotomy Lab"
Tactical Emergency Medical Support Continuing Education
Kansas City Metro Tactical Officers Association
Overland Park Fire Training Center
Overland Park, KS

9/29/2015 "Epistaxis Management for Field Providers"
Johnson County EMS Physicians Lecture Series
Johnson County Community College
Overland Park, KS

7/20/2015 EMS1.com article "Teaching Points: EMS Needle Decompression of a Tension
Pneumothorax" posted online July 2015

5/29/2015 "Controversies with Spinal Immobilization of Athletes"
5th Annual Young Athletes Conference
Ritz Charles
Overland Park, KS

5/14/2015 "Challenges with Inter-Facility Transport of Critically Ill Patients"
Midwest Trauma Society
29th Annual Midwest Trauma Society Meeting
Harrah's Casino
Kansas City, MO

4/7/2015 "One Year Anniversary Program and Reception Celebration of Rainbow Services Inc."
Wyandotte Inc.
Kansas City, KS

1/31/2015 "Athletic Equipment Removal and Spinal Precautions for ATCs"
Missouri Athletic Trainers Association (MOTA)
3rd Annual Educators and Student Conference
Marshall, MO

11/7/2014 "Dispatch Assisted CPR in Johnson County"
Annual EMS and Fire Education Symposium
Olathe, KS

9/26/2014 "Long Spine Board Usage - An Update"
David Miller, MD Trauma Symposium 2014
Bass Pro Shop White River Conference Center

Springfield, MO

- 9/17/2014 "Pediatric Trauma and Long Spine Board Use in EMS"
Pediatric Emergency Medicine Fellows Education Conference
Children's Mercy Hospitals and Clinics
Kansas City, MO
- 9/12/2014 "Long Spine Board Changes in EMS"
Trauma MythBusters Nurse Seminar
Truman Medical Centers
Kansas City, MO
- 9/6/2014 EMS Panel Discussion on Mass Disasters
Society for Academic Emergency Medicine (SAEM) Great Plains Regional Meeting
Westin Crown Center
Kansas City, MO
- 7/29/2014 "Dispatch-Assisted CPR"
Johnson County EMS Physician Lecture Series
Johnson County Community College
Overland Park, KS
- 7/23/2014 "The Long Spine Board.....Going the Way of MAST Pants?"
Missouri EMS Conference and Expo
Hilton Convention Center
Branson, MO
- 7/9/2014 "Changing How EMS Uses the Long Spine Board"
2014 Annual Southwest Regional Trauma Council General Membership Webinar
Olathe, KS
- 5/21/2014 "Mounting Evidence Against the Long Spine Board in EMS"
2014 Annual North Central Regional Trauma Council General Membership Meeting
Salina Regional Health Center
Salina, KS
- 5/2/2014 "Changes in Spinal Immobilization Protocols in EMS"
Midwest Trauma Society
28th Annual Midwest Trauma Conference
Harrah's Casino
Kansas City, MO
- 4/24/2014 "Mounting Evidence Against the Long Spine Board in EMS"
2014 Annual Southeast Regional Trauma Council General Membership Meeting
Via Christi Hospital
Pittsburgh, KS

- 4/21/2014 "Mounting Evidence Against the Long Spine Board in EMS"
2014 Annual Northeast Regional Trauma Council General Membership Meeting
Stormont-Vail HealthCare
Topeka, KS
- 4/16/2014 "Spine Board Use in EMS"
Lee's Summit Fire Department/St. Luke's East Hospital
Lee's Summit, MO
- 4/8/2014 "Spinal Immobilization in EMS"
Pediatrics Topics in Trauma: The Cutting Edge of Trauma
Children's Mercy Hospitals and Clinics
Kansas City, MO
- 2/24/2014 Testimony to KS Senate Committee on Public Health and Welfare
Regarding Long Spine Board changes in KS EMS
Topeka, KS
- 2/20/2014 "Mounting Evidence Against the Long Spine Board in EMS"
Multi-disciplinary Trauma Conference
University of Missouri-Kansas City School of Medicine/Truman Medical Center
Kansas City, MO
- 11/7/2013 "The Death of the Long Spine Board"
Annual EMS and Fire Educational Symposium
Olathe, KS
- 11/6/2013 "Updates in Spinal Immobilization in EMS"
State of KS Advisory Committee on Trauma (ACT)
Kansas Medical Society
Topeka, KS
- 10/23/2013 "Mounting Evidence Against the Long Spine Board"
Kansas University Medical Center (KUMC) Topics in Trauma Seminar
University of Kansas School of Medicine
Kansas City, KS
- 8/7/2013 "Lose the Tape - A New Method for Pediatric Weight Estimation"
Kansas EMS Association (KEMSA) Annual Conference
Medical Directors Workshop
Marriott Hotel
Wichita, KS
- 8/6/2013 "Pulmonary Embolism: Pearls and Pitfalls for Prehospital Providers"
Johnson County EMS Physician Lecture Series
Johnson County Community College
Overland Park, KS
- 4/9/2013 "Pediatric Minor Closed Head Injuries: Guidance for Prehospital Providers"
Johnson County EMS Physician Lecture Series

Johnson County Community College
Overland Park, KS

- 8/17/2011 "Why Are We Still Transporting Dead Bodies?"
Grand Rounds
University of Nebraska Medical Center
Emergency Medicine Residency Program
Omaha, NE
- 8/13/2011 "Anaphylaxis: Debunking the Dogma"
Kansas EMS Association (KEMSA) Annual Conference
Marriott Hotel
Wichita, KS
- 8/13/2011 "Why Are We Still Transporting Dead Bodies?"
Kansas EMS Association (KEMSA) Annual Conference
Marriott Hotel
Wichita, KS
- 2/16/2011 "Adult Emergencies for Pediatric Emergency Medicine Folk"
Pediatric Emergency Medicine Fellow's Educational Conference
Children's Mercy Hospitals and Clinics
Kansas City, MO
- 7/8/2010 "Trauma Trivia: Prehospital Care and Mechanism of Injury"
Nursing Trauma Conference
Trauma Services
Truman Medical Center
Kansas City, MO
- 5/19/2010 Panelist - Ethics of Sickle Cell Pain Management
Quarterly Ethics Conference
Children's Mercy Hospital and Clinics
Kansas City, MO

Medical Student and Resident Physician Teaching

- 11/30/2022 "How to become an EMS Physician Medical Director"
University of Kansas School of Medicine
Emergency Medicine Interest Group (EMIG)
Kansas City, KS
- 10/7/2020 "Introduction to Out-of-Hospital Medicine"
KUMC Emergency Medicine Medical Student Elective Rotation
KUMC
Kansas City, KS
- 8/12/2020 "Introduction to Out-of-Hospital Medicine"
KUMC Emergency Medicine Medical Student Elective Rotation
KUMC

Kansas City, KS

7/1/2020 "Introduction to Out-of-Hospital Medicine"
KUMC Emergency Medicine Medical Student Elective Rotation
KUMC
Kansas City, KS

3/11/2020 "Answering the EMS Radio"
KUMC Emergency Medicine Residency Lecture Series
KUMC
Kansas City, KS

4/25/2013 "Pediatric CVA in a Patient with Moya Moya and Sickle Cell Disease"
Grand Rounds
Department of Emergency Medicine
Truman Medical Center
Kansas City, MO

4/25/2013 "Emergency Radiology of the Ankle and Foot"
Faculty Lecture Series
Department of Emergency Medicine
Truman Medical Center
Kansas City, MO

3/7/2013 "Emergency Radiology of the Knee"
Faculty Lecture Series
Department of Emergency Medicine
Truman Medical Center
Kansas City, MO

3/15/2012 "Emergencies in the Sky....Airline Emergencies"
Grand Rounds
Department of Emergency Medicine
Truman Medical Center
Kansas City, MO

2/15/2012 "Adrenal Crisis"
Grand Rounds
Department of Emergency Medicine
Truman Medical Center
Kansas City, MO

9/15/2011 "Why Are We Still Transporting Dead Bodies?"
Faculty Lecture Series
Department of Emergency Medicine
Truman Medical Center
Kansas City, MO

2/24/2011 "Carbon Monoxide and Cyanide Toxicity"
Grand Rounds

Department of Emergency Medicine
Truman Medical Center
Kansas City, MO

- 11/17/2010 "Emergency Radiology of the Foot"
Resident Lecture Series
Department of Emergency Medicine
Truman Medical Center
Kansas City, MO
- 9/23/2010 "Emergency Radiology of Knees and Ankles"
Resident Lecture Series
Department of Emergency Medicine
Truman Medical Center
Kansas City, MO
- 5/9/2010 "Severe Sepsis in a Malaria Patient"
Grand Rounds
Department of Emergency Medicine
Truman Medical Center
Kansas City, MO
- 2/11/2010 "INH Toxicity"
Grand Rounds
Department of Emergency Medicine
Truman Medical Center
Kansas City, MO
- 2/11/2010 "Upper Extremity Radiography and Skeletal Trauma"
Resident Lecture Series
Department of Emergency Medicine
Truman Medical Center
Kansas City, MO
- 8/19/2009 "Prehospital Challenges in Trauma Care"
Grand Rounds
Department of Emergency Medicine
Truman Medical Center
Kansas City, MO

Peer Reviewer

- 2018-current Peer Reviewer for EMS-related research articles
The Journal of Prehospital Emergency Care
Editor: James Menegazzi PhD
- 10/2009 Medical Content Reviewer
The Transport of the Critical Care Patient by Rosemary Adam and Chris Cebollero
Mosby/Elsevier Publishing
ISBN-13: 978-0323057738

Research Grants

2013-2014	Influenza diagnosis, treatment and surveillance with Xpert Flu. Johns Hopkins University with Biomedical Advanced Research and Development Authority (BARDA). Total award \$646,751 over 3 years. Ryan Jacobsen, M.D. Site-Co-investigator.
2013-2014	Continuation of an "Emergency Department Emerging Infections Sentinel Network" Center for Disease Control and Prevention and the Olive View – UCLA Medical Center. \$10,000, funded 2013/2014. Ryan Jacobsen, M.D. Site-Co-investigator.
2009-2014	"Strategies Using Off-Patent Antibiotics for Methicillin Resistant S. Aureus" ("STOP MRSA") – a multi-center, phase IIb, randomized, double-blind clinical trial. National Institutes of Health (NIH) / National Institute of Allergy and Infectious Diseases (NIAID) / Division of Microbiology and Infectious Diseases (DMID). \$1,563,600 funded 2009-2014. Ryan Jacobsen, M.D. Site-Co-investigator.
2013	Continuation of an "Emergency Department Emerging Infections Sentinel Network" Center for Disease Control and Prevention and the Olive View – UCLA Medical Center. \$9,000, funded 2012/2013. Ryan Jacobsen, M.D. Site-Co-investigator.
2012	Continuation of an "Emergency Department Emerging Infections Sentinel Network" Center for Disease Control and Prevention and the Olive View – UCLA Medical Center. \$9,000, funded 2011/2012. Ryan Jacobsen, M.D. Site-Co-investigator.
2011	Continuation of an "Emergency Department Emerging Infections Sentinel Network" Center for Disease Control and Prevention and the Olive View – UCLA Medical Center. \$9,000, funded 2010/2011. Ryan Jacobsen, M.D. Site-Co-investigator.
9/2011	Ensuring Medication Safety in Pediatric Emergencies (U01 FD004249-01) Source: U.S. Food and Drug Administration (FDA) Principal Investigator: Susan M. Abdel-Rahman, Pharm.D. Period: 09/15/11-09/14/12 Amount: \$49,957 Description: This project was designed to evaluate the accuracy, precision and speed of the 2D and 3D Mercy TAPE devices compared with existing pediatric weight estimation strategies using EMS providers and pediatric emergency nurses. Ryan Jacobsen M.D. Co-Investigator
12/2010	Comparing Activation and Recoil Forces of Epinephrine Auto injectors and their Training Devices. Source: Emergency Physicians Foundation of Kansas City Period: 12/1/2010-12/1/2011 Amount: 1,000.00

Description: This project used a mechanical tester to measure the activation force and recoil forces of epinephrine auto-injectors and their respective training devices using ballistics gelatin covered in denim. Ryan Jacobsen M.D. Principal Investigator