

2019 Annual Meeting Postgraduate Course Information

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Monday, February 11, 2019

1. Diabetes: Type 2 Diabetes and Obesity: Practical Approaches to Clinical Management

Course Directors: Celeste Durnwald, MD and Erika Werner, MD

Faculty: Marcela Smid, MD; Kim Boggess, MD; Francesca Facco, MD; Linda Szymanski, MD, PhD; Christina Han, MD; Lorraine Dugoff, MD; Akuezunkpa Ude Welcome, MD; Terri Hernandez, PhD

CME: Up to 7 CME credits available

Type 2 diabetes and obesity co-exist in pregnant women, yet courses and lectures tend to focus on gestational diabetes (GDM). This course will provide practical clinical knowledge for the management and treatment of pregnant women with diabetes and obesity, either co-existing or in isolation. We will also highlight strategies to improve antenatal surveillance and postpartum management, such as aneuploidy screening, fetal ultrasound and prevention of wound complications.

Learning Objectives

1. Review prenatal management of Type 2 diabetic women including pharmacologic management and antenatal testing.
2. Discuss the role of bariatric surgery in obese women and the implications on a future pregnancy.
3. Outline diagnostic approaches and management of common coexisting medical illness and complications in obese women.
4. Emphasize the importance of lifestyle interventions for women with obesity in pregnancy.
5. Review the data that translates into our recommended dietary management of the diabetic pregnancy.

Course Schedule

Session Time	Session Title	Session Speaker
8:00-8:05am	Welcoming Remarks/Introduction	Durnwald
8:05-8:40am	Type 2 DM: We Are Not GDM, Don't Treat Us Like We Are	Durnwald
8:40-9:10am	Metformin in Type 2 DM: What We Know, What We Need to Learn	Boggess
9:10-9:50am	Utility of Ultrasound in Management of Patients with Diabetes	Han
9:50-10:00am	Q and A	Durnwald, Boggess, Han
10:00-10:30am	Break	
10:30-11:15am	Bariatric Surgery for Obese Women	Ude Welcome
11:15-11:50am	Pregnancy Management after Gastric Bypass	Werner
11:50am-12:00pm	Q and A	Ude Welcome, Werner

12:00-1:00pm	Lunch	
1:00-1:40pm	Screening for Aneuploidy in The Obese Patient: Pearls and Pitfalls	Dugoff
1:40-2:15pm	Sleep Disorders, A Common Comorbidity in Diabetes in Pregnancy	Facco
2:15-2:50pm	The Dreaded Wound Complication: Approaches to Prevention and Treatment of Wound Complications after Cesarean	Smid
2:50-3:00pm	Q and A	Dugoff, Facco, Smid
3:00-3:30pm	Break	
3:30-4:15pm	Exercise and Obesity: How Do We Get Our Patients Moving?	Szymanski
4:15-4:55pm	Nutrition Recommendations and Diabetes: What Is The Data?	Hernandez
4:55-5:00pm	Concluding Remarks	Werner

2. Obstetric Complications Debates: Preterm Birth and Beyond

Course Directors: Judette Louis, MD, MPH and Anjali Kaimal, MD, MSCR

Faculty: Alison Stuebe, MD; William Grobman, MD, MBA; Torre Halscott, MD, MSCR; Sindhu Srinivas, MD, MSCE; Methodius Tuuli, MD, MPH; Joseph Biggio, Jr., MD, MSc; Sarah Obican, MD; Luis Pacheco, MD; Mariam Naqvi, MD; Kimberly De Stefano, MD, FACOG; Israel Hendler, MD

CME: Up to 7 CME credits available

Hear the pros and cons of a range of hot topics in MFM from delivery timing options in preterm preeclampsia to mode-of-delivery in the periviable period and cerclage in twin gestations. Also hear the latest on the elective induction of labor at 39 weeks and varying strategies for the management of amniotic fluid embolus.

Learning Objectives

1. To compare the pros and cons of different delivery timing options in preterm preeclampsia.
2. To examine the evidence surrounding mode of delivery options in the periviable pregnancy.
3. To examine the evidence surrounding cerclage use in twin gestation.
4. To compare the pros and cons of elective induction of labor at 39 weeks.
5. To discuss the strategies for the management of amniotic fluid embolus.

Course Schedule

Session Time	Session Title	Session Speaker
8:00-8:30am	Introduction	
8:30-9:00am	Preterm Preeclampsia: Deliver Soon vs. Expectant Management	DeStefano/Louis

9:00-9:30am	Cerclage in Twin Pregnancies: Never Indicated vs. a Viable Option	Obican/Hendler
9:30-10:00am	Q and A	
10:00-10:30am	Break	
10:30-11:00am	Perivable Birth with Malpresentation: Cesarean is Best vs. Mode of Delivery Makes No Difference	Naqvi/Hendler
11:00-11:30am	We Should Use Bundles to Prevent SSI vs. We Can Reduce SSI Without Bundles	Srinivas/Tuuli
11:30am-12:00pm	Q and A	
12:00-1:00pm	Lunch	
1:00-1:30pm	Amniotic Fluid Embolus is Lethal vs. Amniotic Fluid Embolus is Not Necessarily Lethal- There is Room for Improvement	Pacheco/Halscott
1:30-2:00 pm	Elective Induction of Labor: Nothing Good Happens After 39 Weeks vs. Stop Being an Interventionist	Grobman/Stuebe
2:00-2:30pm	Q and A	
2:30-3:00pm	Late Breaking – Audience Topics	
3:00-3:30pm	Break	
3:30-4:00pm	First Trimester US in the Age of Cell-Free DNA. Is There a Role for It? Yes or No	Kaimal/Biggio
4:00-4:30pm	Late Breaking – Audience Topics	
4:30-5:00pm	Q and A	

3. Critical Care: A Case-Based Approach

Course Directors: Bob Silver, MD and John Ozimek, DO

Faculty: Carolyn Zelop, MD; Chad Grotegut, MD; Luis Pacheco, MD; Leslie Moroz, MD; Torri Metz, MD, MSCR; Lorelei Thornburg, MD; Arthur "Jason" Vaught, MD; Mark Zakowski, MD

CME: Up to 7.25 CME credits available

During this course you will better understand the importance of the physiologic changes, timely diagnosis and appropriate treatment in critically ill pregnant women. This course will also integrate strategies to reduce severe maternal morbidity and mortality in critically ill obstetric patients using case studies that explore Pulmonary Hypertension/ECMO in Pregnancy, Placenta Accreta Spectrum/OB Hemorrhage, and Cardiomyopathy.

Learning Objectives

1. Understand the importance of the physiologic changes of pregnancy as they pertain to the care of the critically ill patient.
2. Recognize the importance of timely diagnosis and appropriate treatment of the critically ill obstetric patient.
3. Integrate strategies to reduce severe maternal morbidity and mortality in the critically ill obstetric patient.

Course Schedule

Session Time	Session Title	Session Speaker
8:00-8:40am	Septic Shock	Vaught
8:40-9:20am	Neurological Emergencies	Thornburg
9:20-10:00am	Pulmonary Hypertension/ECMO in Pregnancy	Pacheco
10:00-10:30am	Break	
10:30-11:15am	Placenta Accreta Spectrum/OB Hemorrhage	Silver
11:15am-12:00pm	OB Anesthesia Complications	Zakowski
12:00-1:00pm	Lunch	
1:00-1:40pm	Maternal Mortality	Ozimek
1:40-2:20pm	Cardiomyopathy	Grotegut
2:20-3:00pm	Cardiopulmonary Arrest	Zelop
3:00-3:30pm	Break	
3:30-4:15pm	Maternal Congenital Heart Disease	Metz
4:15-5:00pm	Hypertensive Crisis	Moroz

4. Fetal Therapy: Twins! (Co-Sponsored with the North American Fetal Therapy Network)

Course Directors: Russell Miller, MD and Jena Miller, MD

Faculty: Ramesha Papanna, MD; Julie Moldenhauer, MD; Michael Zaretsky, MD; Magda Sanz Cortes, MD, PhD

CME: Up to 3.5 CME credits available

Co-Sponsored with the North American Fetal Therapy Network

Understand the range of complications that can impact monochorionic twin pregnancies. Assess the role of Doppler studies before and after laser therapy, evaluate options for selective fetal reduction, discuss neurodevelopmental outcomes among survivors and consider the impact of a short cervix on complicated monochorionic twin pregnancies.

Learning Objectives

1. Understand a range of complications that can impact monochorionic twin pregnancies
2. Assess the role of Doppler studies before and after laser therapy for twin-twin transfusion syndrome.
3. Evaluate options for selective fetal reduction in monochorionic pregnancies.
4. Discuss neurodevelopmental outcomes among survivors of fetal intervention involving monochorionic twin pregnancies.
5. Consider the impact of short cervix on complicated monochorionic twin pregnancies.

Course Schedule

Session Time	Session Title	Session Speaker
1:00-1:30pm	Too Close for Comfort: Best Practices for The Management of Monoamniotic Twins	Zaretsky
1:30-2:00pm	It's Great to Interrogate: Doppler Studies Before and After Laser Therapy for TTTS	Russell Miller
2:00-2:30pm	Selective Fetal Reduction for Complicated Monochorionic Twin Pregnancies	Moldenhauer
2:30-3:00pm	Q and A	Zaretsky, R. Miller, Moldenhauer
3:00-3:30pm	Break	
3:30-3:55pm	Management of Short Cervix in Complicated Monochorionic Multiple Gestations	Papanna
3:55-4:20pm	Neurodevelopmental Outcome After Fetal Intervention in Monochorionic Pregnancies	Sanz Cortes
4:20-4:45pm	50 Shades of Grey, Square Pegs and Round Holes: What to Do When Things Don't Conform	Jena Miller
4:45-5:00pm	Q and A	Papanna, Sanz Cortes, J. Miller

Tuesday, February 12, 2019

5. Controversies in Labor and Delivery

Course Directors: Alison Cahill, MD, MSCI and William Grobman, MD, MBA

Faculty: Aaron Caughey, MD, MPP, MPH, PhD; Lisa Levine, MD; Methodius Tuuli, MD, MPH; Moeun Son, MD, MSCI; Nandini Raghuraman, MD; Dwight Rouse, MD

CME: Up to 7.25 CME credits available

Best practice management of labor is controversial with new information available every week. This course will clarify where best practice exists and what issues remain more uncertain. How does each stage of labor present their own controversies and best practices?

Learning Objectives

1. To understand controversies in the management of the first stage of labor.
2. To understand controversies in the management of the second stage of labor.
3. To understand controversies in labor induction.
4. To understand controversies in labor augmentation.
5. To understand controversies in infection prophylaxis at cesarean delivery.

Course Schedule

Session Time	Session Title	Session Speaker
8:00-8:40am	Is Zhang the New Friedman?	Caughey
8:40-9:20am	Second-to-None Management of the 2nd Stage	Cahill
9:20-10:00am	Elective Induction at 39 Weeks: Friend or Foe?	Grobman
10:00-10:30am	Break	
10:30-11:20am	Infection Prophylaxis for CS: How Much is Too Much?	Tuuli
11:20am-12:00pm	Panel Discussion	Caughey, Cahill, Grobman, Tuuli
12:00-1:00pm	Lunch	
1:00-1:40pm	Response to Cat II Tracings: Does Anything Help?	Raghuramen
1:40-2:20pm	Evidence-Based Augmentation Strategies: Follow the Evidence or Do What You Want?	Son
2:20-3:00pm	Contractions: What are We Doing?	Rouse
3:00-3:30pm	Break	
3:30-4:20pm	Why is Ripening the Cervix so Difficult?	Levine
4:20-5:00pm	Panel Discussion	Raghuramen, Son, Rouse, Levine

6. Placental Insufficiency - From Causes to Consequences, From Prediction to Prevention (Co-Sponsored with ISUOG)

Course Directors: Joanne Stone, MD; Anthony Obdibo, MD, MSCE, FRCOG, FACOG; Aris Papageorghiou, MD, MBChB, MRCOG; Laurent Salomon, MD, PhD

Faculty: Ahmet Baschat, MD; Mary Norton, MD; Bob Silver, MD; Alfred Abuhamad, MD; Roberto Romero, MD, DMedSci; Baha Sibai, MD; Katie Groom, MD, PhD, MBBS

CME: Up to 7 CME credits available

Co-Sponsored by The International Society of Ultrasound in Obstetrics and Gynecology

Recent advances in placental research have revealed a vast amount of information regarding pathways to fetal growth restriction, preeclampsia and stillbirth. This course will explore the clinical manifestation of placental disorders, follow the latest international guidance on management of growth restriction and preeclampsia, and look to what the future holds.

Learning Objectives

1. Understand the clinical manifestations of placental disorders.
2. Be apprised of the latest international guidance on management of growth restriction and pre-eclampsia.
3. Appreciate the current state of play as well as controversies regarding prediction and prevention of growth restriction, pre-eclampsia and stillbirth.
4. Gain insights into future research directions in the field.

Course Schedule

Session Time	Session Title	Session Speaker
8:00-8:20am	Welcome and Introduction to the Course and Introduction to ISUOG	Odibo, Papageorghiou, Stone
8:20-8:50am	Placental Disorders: From Pathology to Clinical Manifestations	Romero
8:50-9:10am	Growth Restriction: Building Consensus on Terminology, Definitions, Outcomes	Papageorghiou
9:10-9:40am	Growth Restriction: Fetal Physiology and Adaptation	Baschat
9:40-10:00am	Recognizing Growth Restriction: ISUOG Fetal Biometry Guidelines	Salomon
10:00-10:30am	Break	
10:30-10:50am	Should All Women Have Third Trimester Ultrasound Screening? What the Data Shows	Odibo
10:50-11:10am	Novel Sonographic Tools for the Evaluation of the Placenta	Abuhamad
11:10-11:40am	Managing Growth Restriction: Understanding our Tests and Their Limitations in Early and Late Disease	Papageorghiou
11:40am-12:00pm	Developing Therapies for FGR; Are We Making Progress	Groom
12:00-1:00pm	Lunch	
1:00-1:20pm	Examining the Link Between Late Growth Restriction and Stillbirth	Silver
	DEBATE: Predicting Stillbirth Is...	Papageorghiou (Moderator)
1:20-1:35pm	Impossible Using Current Technology	Silver
1:35-1:50pm	Possible and Useful	Odibo
1:50-2:00pm	Rebuttal and Vote	Silver/Odibo
2:00-2:20pm	Preeclampsia in 2018: State of Play	Sibai
2:20-2:40pm	Ultrasound in Management of Preeclampsia: ISUOG Guidelines	Salomon
2:40-3:00pm	Future Directions: The Role of Statins in Preeclampsia Prevention or Treatment	Stone
3:00-3:30pm	Break	
	DEBATE: Prediction of Preeclampsia: Is it Useful?	Stone (Moderator)
3:30-3:45pm	Yes - and It Can Lead to Prevention	Baschat
3:45-4:00pm	A Waste of Money - Just Give Aspirin to All	Sibai

4:00-4:10pm	Rebuttal and Vote	Baschat/Sibai
4:10-4:30pm	Future Directions: Genetics, Epigenetics and Precision Medicine	Norton
4:30-4:50pm	Future Directions: The Role of MRI in Assessing Placental Function	Salomon
4:50-5:00pm	Feedback and Close	Odibo, Papageorghiou, Stone

7. The Pregnant Cardiac Patient: Part II, Pearls and Pitfalls

Course Directors: Diana S. Wolfe, MD, MPH and Afshan Hameed, MD

Faculty: Dena Goffman, MD; Alexander Friedman, MD; Steven Clark, MD; Arthur "Jason" Vaught, MD; Stephanie Martin, DO; Heidi Connolly, MD; Katherine Arendt, MD; Samuel Siu, MD, MBA; Jeannette Lin, MD; Joan Briller, MD; Uri Elkayam, MD; Marie Louise Meng, MD; Candice Silversides, MD, FRCPC; Syed Ali Zaidi, MD; Anna Bortnick, MD, PhD

CME: Up to 7 CME credits available

Cardiovascular disease contributes to at least 61% of maternal deaths in the USA, a significant number that are preventable with timely recognition and treatment. As a follow-up to from the 38th Annual Pregnancy Meeting, this course will provide pearls and pitfalls for obstetric care providers in a highly interactive forum with, concise, 12-minute presentations followed by Q and A sessions. A wide spectrum of cardiac disease in pregnancy will be reviewed including: preferred diagnostic testing in pregnancy, ischemic heart disease, arrhythmias, congenital heart disease, and cardiomyopathy.

Learning Objectives

1. Understand the causes of maternal mortality.
2. How to manage a pregnant woman with acute coronary syndrome.
3. Identify the typical presentation of arrhythmias in pregnancy.
4. Identify the high-risk aortopathies and risks in pregnancy.
5. The components of CARPREG II and its utility in risk assessment.

Course Schedule

Session Time	Session Title	Session Speaker
8:00-8:10am	Introduction: An Update on Maternal Mortality in the USA	Clark
8:10-8:20am	Introduction: Cardiac Risk Assessment for All Pregnant Women – Is That Warranted?	Hameed
8:20-8:35am	Risk Stratification of Pregnant Women with Cardiac Disease – CARPREG II	Siu
8:35-8:45am	MFM Consult: Acute Coronary Syndromes Acute Coronary Syndromes (ACS) in Pregnancy	Elkayam

8:45-9:15am	MFM Consult: Acute Coronary Syndromes DEBATE – Coronary interventional vs. Medical Management in ACS	Bortnick vs. Elkayam
9:15-9:25am	MFM Consult: Acute Coronary Syndromes How to Counsel a Woman with a Prior Coronary Artery Dissection?	Briller
9:25-9:45am	Stump The Professor #1 – ACS	Connelley, Elkayam, Hameed
9:45-10:00am	Stump The Professor #2 – Valve Disease	Bortnick, Siu, Wolfe
10:00-10:30am	Break	
10:30-10:40am	Arrhythmias in Pregnancy Pre-syncope and Syncope: Is it Arrhythmia ?	Wolfe
10:40-10:50am	Arrhythmias in Pregnancy Most Common Arrhythmias in Pregnancy	Silversides
10:50-11:00am	Arrhythmias in Pregnancy What Cardiac Conditions Predispose to Arrhythmias in Pregnancy?	Connolley
11:00-11:10am	Arrhythmias in Pregnancy Peripartum Management of a Patient with a Pacemaker or an ICD in Place	Bortnick
11:10-11:20am	Arrhythmias in Pregnancy Tachycardia in Pregnancy – Is it POTS?	Briller
11:20-11:30am	Pregnant Cardiac Patient in Cardiac Care Unit Cardiac Catastrophe: Simulation Training	Goffman
11:30-11:45am	Stump The Professor #3	Briller, Clark, Zaidi
11:45am-12:00pm	Stump The Professor #4	Lin, Martin, Silversides
12:00-1:00pm	Lunch	
1:00-1:10pm	Pregnant Cardiac Patient in Cardiac Care Unit 3 Highest Risk Congenital Cardiac Lesions	Connolley
1:10-1:20pm	Pregnant Cardiac Patient in Cardiac Care Unit Who Needs Delivery in a CCU Setting? What Can Go wrong?	Elkayam
1:20-1:30pm	Pregnant Cardiac Patient in Cardiac Care Unit Cardiopulmonary Resuscitation in Pregnancy	Arendt
1:30-1:40pm	Arrhythmias in Pregnancy Palpitations in Pregnancy – Frequent PVCs	Hameed
1:40-1:50pm	Pregnant Cardiac Patient in Cardiac Care Unit Medical Management of PPCM – Is There a Role for ECMO?	Vaught
1:50-2:00pm	Pregnant Cardiac Patient in Cardiac Care Unit Delivery Planning for a Patient with Pulmonary Hypertension	Martin
2:00-2:10pm	Pregnant Cardiac Patient in Cardiac Care Unit Who Needs Telemetry?	Vaught

2:10-2:20pm	Pregnant Cardiac Patient in Cardiac Care Unit What are the Hemodynamic Changes in the Peripartum Period?	Wolfe
2:20-2:30pm	Pregnant Cardiac Patient in Cardiac Care Unit Anesthetic Considerations to Mitigate the Hemodynamic Fluctuations	Meng
2:30-2:45pm	Stump The Professor #5	Arendt, Friedman
2:45-3:00pm	Stump The Professor #6	Connolley, Meng, Vaught
3:00-3:30pm	Break	
3:30-3:40pm	Anticoagulation in Pregnancy Anesthetic Management of a Patient on Therapeutic Anticoagulation in the Peripartum Period?	Arendt
3:40-3:50pm	Anticoagulation in Pregnancy Cardiac Indications for Therapeutic Anticoagulation	Friedman
3:50-4:20pm	DEBATE: Heparins for Therapeutic Anticoagulation Throughout Pregnancy vs. Warfarin	Friedman vs. Silversides
4:20-4:30pm	Congenital Lesions in Pregnancy High-Risk Aortopathies	Lin
4:30-4:40pm	Congenital Lesions in Pregnancy: Ebstein's Anomaly – What are the Risks?	Zaidi
4:40-4:50pm	Congenital Lesions in Pregnancy Hypertrophic Obstructive Cardiomyopathy	Lin
4:50-5:00pm	Closing Remarks – Adjourn	Wolfe and Hameed

8. Putting the “M” in MFM: Hypertensive Emergencies During Pregnancy

Course Directors: Mike Foley, MD; Dena Goffman, MD; Col Shad Deering, MD, FACOG

Faculty: Leslie Moroz, MD; Lorelei Thornburg, MD; Cornelia Graves, MD

CME: There is no CME credit available for this course.

As we continue our focus on the “M” in maternal-fetal medicine, this course will highlight opportunities improve maternal outcomes through hypertension bundle implementation, the use of practical strategies for anti-hypertensive treatment and ICU management while also outlining an approach for managing a stroke in labor and delivery.

Learning Objectives

1. Describe approach for selecting antihypertensive agent.
2. Summarize indications and therapeutic options for ICU management of hypertensive emergencies.
3. Explain an approach to managing stroke in labor and delivery.
4. Prepare to implement or augment existing bundles for hypertensive emergencies.
5. Develop an approach to practice and debrief hypertensive emergencies.

Course Schedule

Session Time	Session Title	Session Speaker
1:00-1:15pm	Introduction	Foley
1:15-1:45pm	Hypertensive Emergencies – An Overview of the Problem with Attention to Racial Disparities	Graves
1:45-2:15pm	New Thinking About Choosing the Initial Agent for Treatment: An Innovative Approach to an Old Problem	Foley
2:15-2:45pm	Managing Hypertensive Emergencies Beyond L and D Protocols: ICU Management	Moroz
2:45-3:00pm	Managing Stroke During Labor and Delivery: Part 1	Thornburg
3:00-3:30pm	Break	
3:30-3:45pm	Managing Stroke During Labor and Delivery: Part 2	Thornburg
3:45-4:15pm	Implementing Bundles – Guidelines and Checklists for Hypertensive Emergencies During Pregnancy	Goffman
4:15-4:45pm	Practicing and Debriefing for HTN Emergencies	Deering
4:45-5:00pm	Summary and Wrap Up	Faculty

9. Critical Care Simulation

Course Directors: Col. Shad Deering, MD, FACOG and Arthur “Jason” Vaught, MD

Faculty: Dena Goffman, MD; Meredith Birsner, MD; Cdr Monica A. Lutgendorf, MD, FACOG

CME: Up to 3.75 CME credits available

Get hands-on training to manage and treat sepsis, postpartum hemorrhage and drug overdoses in pregnancy with high-fidelity simulations of these critical care situations led by national experts. Increase your understanding of cardiopulmonary life support and cardiovascular changes in your patients to be prepared when these uncommon emergencies occur.

Learning Objectives

1. To understand how to manage and treat sepsis in pregnancy.
2. To gain knowledge and skills in the treatment of postpartum hemorrhage (i.e., uterotonics, correction of disseminated intravascular coagulopathy, balloon tamponade, initiation of interventional radiology or hysterectomy).
3. To understand the treatment of drug overdose in pregnancy.
4. To have a complete knowledge of cardiopulmonary life support in pregnancy.
5. To understand cardiovascular changes in pregnancy.

Course Schedule

Session Time	Session Title	Session Speaker
8:00-8:05am	Introduction	Deering
8:05-8:20am	Cardiac Arrest/ACLS in Pregnancy	Goffman
8:20-8:40am	Sepsis in Pregnancy	Vaught
8:40-9:00am	Drug Overdose/Drugs of Abuse in Pregnancy	Birsner
9:00-9:15am	Break	
9:15-10:10am	Simulation Stations – Rotation #1	All Participants
10:10-11:00am	Simulation Stations – Rotation #2	All Participants
11:00-11:50am	Simulation Stations – Rotation #3	All Participants
11:50am-12:00pm	Debriefing, Wrap Up and Questions	

10. Hands-On Workshop for Ultrasound Guided Invasive Procedures

Course Directors: Joshua F. Nitsche, MD, PhD and Brian Brost, MD

Faculty: Linda Street, MD; Peter Napolitano, MD; Kristina Shumard, MD; Elisabeth Codsi, MD; Mallory Alkis, MD; Melissa Kozakiewicz, MD; Sarah Shepard, DO; Sarah White, MD, FACOG

CME: Up to 3.5 CME credits available

There are decreasing clinical training opportunities for MFM/OB and trainees to get the required training in ultrasound-guided invasive procedures. Learn about available options for simulating ultrasound guided invasive procedures, gain experience and guidance on the basics of these procedures, and fine tune your skills with low-frequency procedures.

Learning Objectives

1. To familiarize the participants with available options for simulating ultrasound guided invasive procedures.
2. To introduce the participants to curricula specific for different ultrasound guided invasive procedures.
3. To provide novice participants with instruction on the basics of ultrasound guided invasive procedures.
4. To train experienced providers on how to establish an ultrasound guided invasive procedure simulation program at their institution.
5. To demonstrate how simulation can be used by experienced providers to maintain skill with low-frequency procedures.

Course Schedule

Session Time	Session Title	Session Speaker
1:00-1:15pm	Introduction to Ultrasound Guided Invasive Procedure Simulation	Brost, Nitsche
1:15-1:45pm	Ultrasound Guidance Basics	Course Faculty
1:45-2:15pm	Ultrasound Guidance Targeting Tasks	Course Faculty

2:15-3:00pm	Hands-On Simulation (45-minutes each) Amniocentesis Chorionic Villus Sampling In-Utero Stenting	Course Faculty
3:00-3:30pm	Break	
3:30-4:15pm	Hands-On Simulation (45-minutes each) Amniocentesis Chorionic Villus Sampling In-Utero Stenting	Course Faculty
4:15-5:00pm	Hands-On Simulation (45 minutes each) Amniocentesis Chorionic Villus Sampling In-Utero stenting	Course Faculty
5:00-5:30pm	Wrap-Up and Free Practice Time	Brost, Nitsche

Wednesday, February 13, 2019

11. Hands-On Workshop for Ultrasound Guided Invasive Procedures

Course Directors: Joshua F. Nitsche, MD, PhD and Brian Brost, MD

Faculty: Linda Street, MD; Peter Napolitano, MD; Kristina Shumard, MD; Elisabeth Codsí, MD; Mallory Alkis, MD; Melissa Kozakiewicz, MD; Sarah Shepard, DO; Sarah White, MD, FACOG

CME: Up to 3.5 CME credits available

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4. To train experienced providers on how to establish an ultrasound guided invasive procedure simulation program at their institution.
5. To demonstrate how simulation can be used by experienced providers to maintain skill with low-frequency procedures.

Course Schedule

Session Time	Session Title	Session Speaker
8:00-8:15am	Introduction to Ultrasound Guided Invasive Procedure Simulation	Brost, Nitsche
8:15-8:45am	Ultrasound Guidance Basics	Course Faculty
8:45-9:15am	Ultrasound Guidance Targeting Tasks	Course Faculty
9:15-10:00am	Hands-On Simulation (45-minutes each) Amniocentesis Chorionic Villus Sampling In-Utero Stenting	Course Faculty
10:00-10:30am	Break	
10:30-11:15am	Hands-On Simulation (45-minutes each) Amniocentesis Chorionic Villus Sampling In-Utero Stenting	Course Faculty
11:15am-12:00pm	Hands-On Simulation (45 minutes each) Amniocentesis Chorionic Villus Sampling In-Utero Stenting	Course Faculty
12:00-12:30pm	Wrap-Up and Free Practice Time	Brost, Nitsche

12. Periviable Preterm Birth: Obstetric Issues and Controversies

Course Directors: Brian Mercer, MD and Molly Stout, MD

Faculty: William Grobman, MD, MBA; Cynthia Gyamfi-Bannerman, MD, MSc; Brownsyne Tucker Edmonds, MD, MPH, MSc

CME: Up to 4 CME credits available

An in-depth examination of data on neonatal outcomes and survival after periviable preterm birth. Learn how maternal and obstetric management in the index of subsequent pregnancies can optimize maternal and neonatal outcomes.

Learning Objectives

1. To review the evolving and current outcomes related to periviable birth.
2. To identify opportunities to delay delivery or enhance newborn outcomes related to periviable birth.
3. To discuss current controversies in the management of the patient at risk for periviable birth.
4. To consider interventions to prevent or delay periviable delivery in the next pregnancy.
5. To discuss multidisciplinary contributions to the management of periviable birth.

Course Schedule

Session Time	Session Title	Session Speaker
8:00-8:15am	Introduction and Practice Survey	Stout, Mercer
8:15-8:45am	Epidemiology and Evolution of Periviable Birth	Stout
8:45-9:15am	The Frying Pan or the Fire: Outcomes After Aggressive Versus Conservative Management of Periviable Birth	Tucker Edmonds
9:15-9:45am	Obstetric Interventions to Optimize Outcomes in the Periviable Period	Gyamfi-Bannerman
9:45-10:00am	Discussion Panel	All
10:00-10:30am	Break	
10:30-10:50am	Multidisciplinary Team Protocols for Counseling and Management of Periviable Birth	Tucker Edmonds
10:50-11:10am	What to do Next: Prevention of the Next Periviable Birth	Mercer
11:10-11:30am	Debate: Periviable Birth – Have We Gone Too Far?	Gyamfi-Bannerman/ Grobman

13. Quality Metrics in Obstetrics: Why & How?

Course Director: Helen Feltovich, MD

Faculty: Brian Iriye, MD; Christian Pettker, MD; Bryann Bromley, MD; Lorelei Thornburg, MD, Stephanie Martin, DO; Jean Spitz, MPH; Timothy Hall, PhD

CME: CME credits are available through Perinatal Quality Foundation

Do your practice metrics reflect national standards? Join us for an in-depth discussion and examination of quality metrics in OB/GYN subspecialty areas and learn about the latest improvement initiatives in obstetrics.

Learning Objectives

1. Describe key performance measures and quality improvement initiatives in obstetrics.
2. Compare and contrast quality metrics in OB/GYN subspecialty areas.
3. Explain requirements regarding performance measures and quality improvement in OB/GYN residency and fellowship programs.

Course Schedule

Session Time	Session Title	Session Speaker
8:00–8:05am	Welcome	
8:05–8:30am	Getting Acquainted with the IOM's Six Domains of Health Care Quality (Audience Response)	Feltovich

8:30–9:00am	ACGME & Quality: What Do Our Residents and Fellows Really Need to Know?	Thornburg
9:00–9:30am	Quality Measures in High-Risk Pregnancies: Recommendations From the 2016 SMFM/NICHD/ACOG Workshop	Iriye
9:30–10:00am	Quality in Fetal Imaging: Partnering with the Quantitative Imaging Biomarkers Alliance (QIBA)	Hall
10:00–10:30am	Break	
10:30–11:00am	Quality in Critical Care: How to Build Your ICU	Martin
11:00–11:30am	Quality on L&D: How Do We Make Labor and Delivery Safe?	Pettker
11:30–11:50am	Supporting the Mission: Programs Available through the Perinatal Quality Foundation	Bromley
11:50am–12:00pm	Closing Comments	Spitz

14. Update in Prenatal Genetics (Co-Sponsored with ISPD)

Course Directors: Louise Wilkins-Haug, MD, PhD and Neeta Vora, MD

Faculty: Teresa Sparks, MD; Andrea Edlow, MD, MSc; Ignatia Van den Veyver, MD

CME: Up to 5 CME credits available

The use of genetics in prenatal diagnosis in obstetrics is rapidly growing and evolves regularly. Stay up-to-date with a wide-range of prenatal genetics topics, including a focus on cutting edge genetics/genomics. Leave with a solid understanding of how high-dimensional biology and “discovery driven” approaches provide insight into fetal development.

Learning Objectives

1. Describe newer non-invasive methods for prenatal genetic screening and testing that are being developed and introduced into the clinic.
2. Understand diagnostic yield and counseling challenges of prenatal whole exome sequencing.
3. Summarize the principles, benefits and pitfalls of expanded carrier screening and how to integrate it into clinical practice.
4. Understand how high-dimensional biology and “discovery driven” approaches provide insight into fetal development.

Course Schedule

Session Time	Session Title	Session Speaker
8:00-8:30am	Course Introduction; Basics of Molecular Genetics	Wilkins-Haug
8:30-9:15am	Cell-Free DNA Screening – Lessons Learned	Wilkins-Haug
9:15-10:00am	What is New with Non-Invasive Prenatal DNA Screening: Moving Beyond NIPT/NIPS	Van den Veyver

10:00-10:30am	Break	
10:30-11:15am	Whole Exome Sequencing: New Opportunities and Challenges	Vora
11:15am-12:00pm	Expanded Carrier Screening: Updates, Counseling Challenges, and Integration into Clinical Practice	Van den Veyver
12:00-1:00pm	Lunch	
1:00-1:30pm	Harnessing the Power of 'Omics to Understand Fetal Development	Edlow
1:30-2:20pm	Cell-Free DNA Screening, Expanded Carrier Screening, Whole Exome Sequencing: Case Presentations and Counseling Challenges	Sparks
2:20-2:30pm	Q and A	

15. USA v. Europe Debates (Diabetes, Hyperglycemia)

Course Directors: Mary D'Alton, MD; Vincenzo Berghella, MD; Gian Carlo Di Renzo, MD, PhD; Moshe Hod, MD

Faculty: Mark Landon, MD; Celeste Durnwald, MD; Aaron Caughey, MD, MPP, MPH, PhD; Lisa Hollier, MD, MPH; Yariv Yogev, MD; Erika Werner, MD; Donald Coustan, MD; Anil Kapur, MD; David McIntyre, MD

CME: Up to 5 CME credits available

Hear American and European leaders debate the best way to treat diabetes and hyperglycemia. Evaluate the best screening tests for gestational diabetes and learn the best treatment options. Learn how to provide more therapeutic options for patients and how to better screen for it postpartum.

Learning Objectives

1. Evaluate the best screening tests for gestational diabetes.
2. Better manage gestational diabetes.
3. Assess the best therapeutic options for diabetes in pregnancy.
4. Better manage maternal diabetes in the postpartum period.
5. Assess how to best screen for diabetes postpartum.

Course Schedule

Session Time	Session Title	Session Speaker
8:00-8:10am	Introduction and Poll	Berghella, D'Alton, Hod, Di Renzo
8:10-8:20am	<u>The Beginning</u> : From O'Sullivan and Mahan To Carpenter and Coustan: How Did it All Start?	Coustan (USA)

8:20-8:30am	<u>The Evidence: Connecting Glucose Values to Adverse Pregnancy Outcome – The HAPO Study</u>	Hod (FIGO, Israel)
8:30-8:50am	<u>The Guidelines: Hyperglycemia in Pregnancy (HIP) – The Guidelines</u>	Hod (FIGO, Israel)
	FIGO vs ACOG where do we differ?	Caughey (USA)
8:50-9:00am	Discussion	Faculty
	Debating Diagnosis of GDM	Coordinator: Hod (FIGO, Israel)
	No dispute, just the facts	
9:00-9:20am	Universal – FIGO and ACOG	Werner (USA)
	Selective – NICE (UK)	McIntyre (FIGO, Australia)
9:20-9:40am	One Step – FIGO	McIntyre (FIGO, Australia)
	Two Step Testing – ACOG	Berghella (USA)
	The Issue of “Two Abnormal Values”	
9:40-10:00am	One Value is Enough – FIGO	Coustan (USA)
	No, Two Values are Needed – ACOG	Durnwald (USA)
10:00-10:30am	Break	
	The Fasting Glucose of 5.1 mM/92 mg/dL.	
10:30-10:50am	Yes – FIGO	McIntyre (FIGO, Australia)
	No – ACOG	Landon (USA)
10:50-11:00am	Discussion	Faculty
	Discussing Management of GDM	Coordinator: Berghella (USA)
11:00-11:15am	All You Have to Know – Oral Hypoglycemic Agents (OHA) Glyburide or Metformin?	Yogev (Israel)
11:15-11:30am	Is it Possible to Predict and Prevent Hyperglycemia in Pregnancy?	Di Renzo (FIGO, Italy)
11:30-11:45am	Barriers and Pragmatic Solutions to Improve Postpartum Care	Kapur (FIGO, India)
11:45am-12:00pm	Discussion	Faculty
12:00-1:00pm	Lunch Break	
	Postpartum – Life Course Approach No Dispute – Providing Evidence	
1:00-1:30pm	Variations Between Regions / Ethnicities	
	HAPO Follow Up Study Data	Coustan (USA)
	GDM and T2DM and CV Risk	Hollier (ACOG, USA)
	No Dispute – Providing Evidence	

1:30-2:00pm	Health Economics	Caughey (ACOG, USA) Kapur (FIGO, India)
2:00-2:10pm	Discussion	Faculty
	Panel Discussion and Poll HIP – Towards a Consensus	Coordinator: Hod (FIGO, Israel)
2:10-2:30pm	What Can We Agree Upon and What Needs to be Provided to Close the Gaps? 1. Universal Testing and Early Testing (with Repeat Test at 24-28 Weeks if Needed) 2. Single Step Testing 3. Point of Care Testing and Diagnosis 4. Single Abnormal Reading Being Considered Diagnostic 5. Fasting Glucose of 5.1 mM /92 mg/dL	Mary D’Alton (ACOG/SMFM, USA)

16. Medical Complications: Beyond the Usual Suspects (Connective Tissue Disorders, Hematologic Disorders, etc.)

Course Directors: Flint Porter, MD, MPH and Michelle Owens, MD

Faculty: David Branch, MD; James Hill, MD; Brian Casey, MD

CME: Up to 4.5 CME credits available

Do you know the current treatment protocols for pre-existing conditions during pregnancy? Join us and learn the latest guidelines and research on anticoagulation, biological agents, hemoglobinopathies, and thyroid disorders.

Learning Objectives

1. Be familiar with up to date recommendations for anticoagulation during pregnancy.
2. Understand the safety of biological agents during pregnancy.
3. Be familiar with new recommendations regarding the diagnosis and management of hemoglobinopathies during pregnancy.
4. Recognize appropriate management of pregnancies in women with prior transplantation.
5. Be familiar with evidence-based recommendations regarding the diagnosis and management of thyroid disorders during pregnancy.

Course Schedule

Session Time	Session Title	Session Speaker
8:00-8:10am	Course Introductions	Owens, Porter
8:10-9:00am	Update on Recommendations for Anticoagulation Use During Pregnancy	Branch
9:00-9:40am	The Safe Use of Biologic Agents During Pregnancy	Porter
9:40-10:00am	Q and A	Branch, Porter

10:00-10:30am	Break	
10:30-11:15am	Hemoglobinopathies in Pregnancy: Who, How, and When?	Owens
11:15am-12:00pm	Optimizing Pregnancy Outcome after Transplant	Hill
12:00-1:00pm	Lunch	
1:00-1:50pm	Thyroid Disorders in Pregnancy: Evidence-Based Guidelines for Testing and Treatment	Casey