



Scientific Forums

(Updated October 5, 2021)

Wednesday, February 2

3:00 - 5:30 pm Eastern Standard time

The Scientific Forums are included in the registration fee for the Scientific Sessions.

Please note that all Scientific Forums will be held **in-person only**.

Comprehensive Reproductive Health

Forum Leader: Justin Lappen, MD & Clark Johnson, MD, MPH

Filling the Gaps in Comprehensive Reproductive Health

Last year the Reproductive Health Project for Maternal-Fetal Medicine (MFM), an initiative of the Society for Maternal-Fetal Medicine (SMFM), commenced a scientific forum on comprehensive reproductive health to demonstrate and highlight the need for interdisciplinary collaboration and research gaps in maternal-fetal medicine and family planning to make reproductive health care services, including contraceptive and abortion care more accessible and equitable for all individuals. In an effort to fill these research gaps, the Reproductive Health Mini-Sabbatical Award, Reproductive Health Policy Award, and the SMFM SFP Bridge Builder Award were created. In addition to this research being led by MFMs to close the gaps for reproductive health services, this forum will also highlight the results of a survey conducted by the Reproductive Health Project for Maternal-Fetal Medicine on MFM's attitudes, beliefs and practice of MFMs regarding abortion care.

Time of Presentation	Title of Presentation	Speaker
3:00 - 3:10 pm	Welcome and Introduction	Course Leaders
3:10 - 3:30 pm	Initial findings from the UCAR (University of California Abortion Registry) Database	Adam Crosland, MD, MPH
3:30 - 3:50 pm	Catholic Hospitals, Short Interval Pregnancy, and Severe Maternal Morbidity	Annie Dude, MD, PhD
3:50 - 4:10 pm	Maternal-fetal medicine subspecialist survey on abortion training and service provision	Laura Vricella, MD and Justin Lappen, MD
4:10 - 4:25 pm	Compassionate Choice: Strengthening multidisciplinary decision making, care, and grief support for families diagnosed with complex fetal anomalies	Stephanie Dukhovny, MD
4:25 - 4:40 pm	Cross-discipline procedural training for Maternal-Fetal Medicine and Family Planning providers	Joshua F. Nitsche, MD, PhD

4:40 - 4:55 pm	Assessing access to rapid uterine evacuation	Sindhu Srinivas, MD, MSCE
4:55 - 5:30 pm	Panel Q&A and Conclusion	Course Leaders

Critical Care

Forum Leader: Torre Halscott, MD, MSCR

Time of Presentation	Title of Presentation	Speaker
3:00-3:15 pm	Caring for critically ill patients, as a team.	Torre Halscott, MD, MS
3:15-5:30 pm	Critical Care cases	various

Diabetes

Forum Leader: Ashley Battarbee, MD

Long-term maternal and childhood effects of diabetes in pregnancy: optimizing postpartum, interconception and preconception care

Review best practices for the treatment of diabetes in and around pregnancy and identify knowledge gaps in providing equitable care for pregnant people with diabetes.

Time of Presentation	Title of Presentation	Speaker
3:00 - 3:10 pm	Introduction	Ashley Battarbee, MD, MSCR
3:10 - 3:30 pm	Toward Equity in Preconception Care for Diabetes	Chloe Zera, MD
3:30 - 3:50 pm	Optimizing Postpartum Care for Pregnant People with GDM	Lynn Yee, MD, MPH
3:50 - 4:10 pm	Long-term Maternal and Childhood Outcomes after GDM	Mark Landon, MD
4:10 - 4:30 pm	Racial Ethnic Disparities in Progression to Type 2 Diabetes after GDM	Monique Hedderson, PhD
4:30 - 4:50 pm	Creation of a Diverse Population-Based Eight-Year Postpartum Cohort to Study Racial Ethnic Differences in Type 2 Diabetes after GDM	Teresa Janevic, PhD, MPH
4:50 - 5:30 pm	Speaker Q&A SMFM 2023 Planning (Ideas & New Leader)	All

Fetal Cardiology

Forum Leader: Lynn Simpson, MD

Fetal Cardiology: Beyond the Basics

Time of Presentation	Title of Presentation	Speaker
3:00 - 3:10 pm	Introductions	Lynn Simpson, MD
3:10 - 3:50 pm	Importance of assessing the pulmonary and systemic veins	Alfred Abuhamad, MD
3:50 - 4:30 pm	Evaluation of cardiac function: indications and approach	Elena Sinkovskaya, MD
4:30 - 5:10 pm	Delivery room planning for CHD: improving outcomes with fetal echocardiography	Mary Donofrio, MD
5:10 - 5:30 pm	Q&A	All faculty

Genetics

Forum Leader: Angie Jelin, MD & Lisa Kunz, MD

Genetics Forum 2022: In utero medical management of fetal disease

Rare genetic conditions have been classically diagnosed in utero but treated only after birth. Novel therapies are now closing the gap between diagnosis and treatment. We will provide an update of three examples of this in research and practice.

Time of Presentation	Title of Presentation	Speaker
3:00 - 3:45 pm	Fetal molecular therapies for single gene disorders	Tippi MacKenzie, MD
3:45 - 4:30 pm	mTOR Inhibitors in the treatment of fetal rhabdomyomas	Benjamin Barnes, MD, MS
4:30 - 5:15 pm	In utero medical treatments for SMA	Jessica Nance, MD, MS
5:15 - 5:30 pm	Questions/Discussion	All

Global Health

Forum Leader: Martha Tesfalul, MD and Will Williams, MD, MPH

Innovation and Implementation in Global Health: Promising Initiatives and What It Takes to Realize that Promise

Longstanding challenges faced in global maternal and child health call for novel approaches to diagnosis, management and prevention of diseases and complications. This forum will start with presentations about promising innovations designed for global contexts followed by a round robin discussion from experts from various sectors about related opportunities and challenges. Attendees will have the opportunity to interact directly with innovations reviewed and to ask questions during the forum.

Time of Presentation	Title of Presentation	Speaker
3:00 – 3:10 pm	Opening & Introduction to Speakers	Martha Tesfalul, MD Will Williams, MD, MPH
3:10 – 3:20 pm	Innovation in Operative Deliveries: BD Odon Device	Timothy Draycott, MD, MBBS
3:20 – 3:40 pm	Innovation in Postpartum Hemorrhage Management: Safe Birth Tray and Suction Tube Uterine Tamponade	Justus Hofmeyr, MBBCh
3:40 – 4:00 pm	Innovation in Research: Global Network for Women's and Children's Health Research and the Maternal and Neonatal Directed Assessment of Technology	Elizabeth McClure, PhD
4:00 – 4:20 pm	Break – Demonstrations	
4:20 – 4:30 pm	Introduction to Round Robin Discussion	Martha Tesfalul, MD Will Williams, MD, MPH
4:30 – 5:30 pm	Round Robin Discussion	Timothy Draycott, MBBS, MD Justus Hofmeyr, MBBCh Elizabeth McClure, PhD Alan Tita, MD, PhD

Healthcare Disparities & Health Equity

Forum Leader: Michelle Owens, MD; Marvin Williams, MD

This forum is designed to bring together those with special interest in elimination of health disparities and achieving health equity. The forum will showcase research opportunities, highlight ongoing work and encourage collaboration within this area.

Time of Presentation	Title of Presentation	Speaker
3:00 – 3:05 pm	Welcome and Introductions	Marvin Williams, MD

3:05 – 3:30 pm	Health Disparities/Health Equity Work: Getting Started	Washington Hill, MD
3:30 – 4:00 pm	Using Equity Research To Promote Advocacy Through Social Media	Jasmine Johnson, MD
4:00 – 4:30 pm	The Biology of Racism in Maternal and Child Health	Michal Elovitz, MD
4:30 – 5:00 pm	TBD	
5:00 – 5:30 pm	Final Presentation/Q & A	All presenters

Hypertension

Forum Leader: Mark Santillan, MD, PhD & Alisse Hauspurg, MD

Time of Presentation	Title of Presentation	Speaker
TBD		

Implementation Science in Obstetrics

Forum Leader: Rebecca F. Hamm, MD, MSCE

Implementation science is the study of methods to promote the systematic uptake of evidence-based practices into routine care. Implementation science tries to address the significant gap between interventions that research has shown to be effective and their delivery to patients. This new scientific forum takes the momentum from the 2020 SMFM President's Workshop on implementation science and help us to continue to incorporate the methods of this emerging field into both the research and practice of maternal-fetal medicine. This Forum focuses on emerging concepts in implementation science and showcases applications of those concepts to obstetrics. In addition, we will take participants through a guided, practical implementation of an Alliance for Innovation on Maternal Health bundle of their choice so that they may leave the meeting with an evidence-based action plan.

Time of Presentation	Title of Presentation	Speaker
3:00 - 3:15 pm	Introduction: The Case for Implementation Science in Obstetrics	Sindhu Srinivas, MD MSCE
3:15 - 3:45 pm	Emerging Methods in Implementation Science	Rebecca Hamm, MD MSCE
3:45 - 4:30 pm	Practical Examples of Implementation Science in Obstetrics; Panel Q&A	Lynn Yee, MD MPH Chloe Zera, MD MPH Emily Miller, MD MPH
4:30 - 4:45 pm	Panel Q&A	All presenters
4:45 - 5:30 pm	An Implementation Exercise: Developing a Take Home Plan	All presenters

Infections and Inflammation in Pregnancy

Forum Leader: Emily Adhikari, MD

In this forum, we will renew our understanding of the maternal and fetal immune responses to infections and vaccinations in the context of recent science and current events.

Time of Presentation	Title of Presentation	Speaker
3:00 - 3:15 pm	Back to the basics to gain perspective on the future in infection and inflammation in pregnancy	Emily Adhikari, MD
3:15 – 3:45 pm	Renewing our understanding of maternal and fetal immune response in pregnancy	Elizabeth Bonney, MD, MPH
3:45 – 4:15 pm	Maternal vaginal and fetal gut microbiomes, infectious disease states and immune correlates	Deborah Money, MD
4:15 – 4:45 pm	Humoral immune response to infections and vaccination: beyond binding	Lenette Lu, MD, PhD
4:45 – 5:15 pm	New and old diseases and vaccines in pregnancy: considerations of urgency, safety, and efficacy and future directions	Geeta Swamy, MD
5:15 – 5:30 pm	Panel discussion, Q&A	Panelists

Labor & Delivery

Forum Leader: Lisa Levine, MD

This forum touches on many important and exciting aspects of labor and delivery care for the Maternal Fetal Medicine physician.

Time of Presentation	Title of Presentation	Speaker
3:00 - 3:30pm	Predicting cesarean risk after induction: incorporating a validated calculator into clinical care to reduce morbidity	Lisa D. Levine, MD, MSCE
3:30 - 4:00pm	Addressing health disparities and improving health equity on labor and delivery	Sarah M. Wheeler, MD
4:00 - 4:30pm	Updates on management of Ob hemorrhage	Lisa Nathan, MD, MPH
4:30 - 5:00pm	Techniques to improve morbidity during second stage cesarean delivery	Alexis Gimovsky, MD
5:00 - 5:30pm	Go High or Go Low: What is the optimal oxytocin dosing regimen for labor?	Moeun Son, MD, MSCI

Maternal-Fetal Surgery

Forum Leader: Magda Sanz Cortes, MD, and Jena Miller, MD

“ABCs of modern fetal surgery”

This forum aims to address current challenges and considerations for maternal-fetal surgery.

Time of Presentation	Title of Presentation	Speaker
3:00 - 3:05 pm	Introduction “Status of evidence in utero CDH treatment and speakers” (A)	Magda Sanz Cortes
3:05 - 3:25 pm	Implications of the TOTAL trial results in North America	Ahmet Baschat
3: 25 - 3:40 pm	Obstetric management and reversal of tracheal occlusion	Jena Miller
3:40 - 3:45 pm	Q&A	
3:45 - 3:50 pm	Introduction to “Common complications in fetal surgery and their etiology” (B)	Jena Miller
3:50 - 4:05 pm	Factors that impact membrane status in fetal surgery	Magda Sanz Cortes
4:05 - 4:25 pm	Short cervix in fetal surgery. Treatable condition?	Ramesh Pappana
4:25 - 4:35 pm	Q&A	
4:35 - 4:40 pm	Introduction to “Monochorionic twins: A road still with many twists and turns” (C)	Magda Sanz Cortes and Jena Miller
4:40 - 5:00 pm	Unusual clinical phenotypes in TTTS	Ramen Chmait
5:00 - 5:20 pm	TTTS stage I: Laser or no laser	Julien Stirnemann
5:20 - 5:30 pm	Q&A	

Obstetric Innovation

Forum Leader: Ben Kogutt, MD

The field of Obstetrics lags in the implementation of critical, innovative technologies. This problem is exacerbated by the absence of a dedicated network to study, disseminate, and champion safe and effective innovation to improve and modernize pregnancy care. This new forum will be dedicated to the current void of innovation within the obstetric field and highlight the emergence, development, and implementation of innovative solutions for our most pressing perinatal and postpartum problems.

Time of Presentation	Title of Presentation	Speaker
3:00 – 3:30 pm	Obstetric Innovation and You	Ben Kogutt, MD

3:30 – 4:00 pm	How can Industry improve the world of Obstetrics?	Panel of Leaders in Obstetrics - TBD
4:00 – 4:30 pm	How can Obstetricians assist Industry Innovate?	Panel of Novel OB Companies - TBD
4:30 – 5:00 pm	How to navigate Industry as an Obstetrician: <i>Practical and Ethical Considerations</i>	Jane Van Dis, MD
5:00- 5:30 pm	Clinical Testing of New Products: <i>FDA, IRB, and RCTs</i>	Nadav Schwarz, MD

Obstetric Quality & Safety

Forum Leader: Dena Goffman, MD and Naima Joseph, MD, MPH

The goal of this session is to provide an overview of existing state of quality measurement within obstetrics, to highlight the advantages and pitfalls of currently used quality measures, discuss the future of quality measurement, and share lessons learned from implementation in disparate health care settings, in order to foster advocacy, accountability, and improvement in perinatal outcomes.

Time of Presentation	Title of Presentation	Speaker
3:00 – 3:30 p.m.	Currently used quality measures: advantages and drawbacks	Christian Pettker, MD
3:30 – 4:00 p.m.	Future measures for perinatal health quality	Sindhu Srinivas, MD, MSCE
4:00 – 4:30 p.m.	Incorporating health equity into perinatal quality	Allison Bryant Mantha MD, MPH
4:30 – 5:00 p.m.	Implementing quality measure at the state level: lessons learned from California NTSV rates	Elliot K Main, MD
5:00 – 5:30 p.m.	Challenges of quality implementation and monitoring in low resource settings: lessons learned from a safety net institution in Georgia	Michael K. Lindsay, MD, MPH

Perinatal Epidemiology

Forum Leader: Rachel Pilliod, MD and Marcela Smid, MD

Obstetrical research in the era of rapid climate change – epidemiological approaches

This scientific forum will highlight epidemiological approaches to understanding how rapid climate change is impacting maternal and fetal outcomes.

Time of Presentation	Title of Presentation	Speaker
3:00 - 3:40 pm	Place matters: Using geospatial data for obstetrical outcomes	Michelle Debbink, MD, PhD
3:40 – 4:10 pm	Infectious disease in the era of climate change - impact on perinatal outcomes	Sarah Dotters-Katz MD MS
4:10 - 4:40 pm	Organophosphate Pesticides and Pregnancy: Longitudinal analytic techniques for nonpersistent chemicals	Blair Wylie MD
4:40 - 5:00 pm	Group discussion	All

Perinatal Mental Health

Forum Leader: Heather Straub, MD & Nicole Smith, MD

The COVID pandemic has given us over a year of stress and trauma, this forum is designed to look at some of the impact of trauma from the microscopic level to the clinical level. Attendees will leave with an innovative framework within which to consider maternal mental health and intergenerational impact of trauma.

Time of Presentation	Title of Presentation	Speaker
3:00-3:20 pm	Adverse outcomes in pregnancy related to chronic maternal stress	Ann E. Borders, MD, Msc, MPH
3:20-3:30 pm	Questions for Dr. Borders	
3:30-3:50 pm	The intergenerational biology of stress	Danielle Mari Panelli MD
3:50-4:00 pm	Questions for Dr. Panelli	
4:00-4:20 pm	Psychological Impacts of Obstetric Racism	Andrea Jackson, MD, MAS
4:20-4:30 pm	Questions for Dr. Jackson	
4:30-4:50 pm	Psychological trauma on Labor and Delivery and trauma informed care	Heather Straub, MD and Nicole Smith, MD, MPH

4:50-5:00 pm	Questions for Dr. Straub and Dr. Smith	
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Placenta Accreta Spectrum

Forum Leaders: Christina Duzyj, MD, MPH and Scott Shinker, MS, DO

Time of Presentation	Title of Presentation	Speaker
3:00 – 3:05 pm	Welcome	Shinker/Duzyj
3:05 – 3:30 pm	Pathophysiology and Biology of PAS	Yalda Afshar
3:30 – 3:55 pm	Understanding the Mental Health Toll of a PAS Diagnosis	Brett Einerson
3:55 – 4:45 pm	Debating the Optimal PAS Management Strategy	Sebastian Hobson and Loic Sentilhes
4:45 – 5:10 pm	Management of PAS in the Postpartum Period	Christina Duzyj
5:10 – 5:30 pm	Questions	All Panelists

Preterm Labor

Forum Leader: David Nelson, MD

SMFM PTL Interest Group: The future of medicine, today!

A forum highlighting both the current and cutting-edge research in preterm birth and prematurity prevention. Recognized experts in perinatal medicine will be presenting novel imaging modalities of the cervix, review current management considerations for cerclage, update the current state of progesterone, and conclude with a discussion of neonatal consequences associated with prematurity.

Time of Presentation	Title of Presentation	Speaker
3:00 - 3:15 pm	Preterm birth in 2022	David B. Nelson, MD
3:15 - 3:45 pm	Evidence-based cerclage: the state of the science	Emily S. Miller, MD MPH
3:45 - 4:15 pm	Multi-modality imaging for prediction of preterm birth	Helen Feltovich, MD
4:15 - 4:45 pm	Progesterone for preterm birth prevention: where are we now?	Michael D. House, MD
4:45 - 5:15 pm	Nanomedicine approaches for preterm birth and prematurity-related morbidity	Irina Burd, MD PhD
5:15 - 5:30 pm	Question & Answer	All panelists

SMFM Thrive: Burnout & Wellness

Forum Leader: Francine Hughes, MD

In this session, we will hear from multiple presenters on tools to thrive in MFM, second victim syndrome and personal stories of resilience in a time of upheaval.

Time of Presentation	Title of Presentation	Speaker
3:00 - 3:10 pm	Introduction to SMFM THRIVE	Francine Hughes, MD
3:10 - 3:50 pm	Avoiding Burnout in a Time of Uncertainty	Rolanda Lister, MD
3:50 - 4:30 pm	The Second Victim Syndrome	Heather Lipkind, MD, MPH
4:30 - 5:10 pm	How the Pandemic Almost Crushed My Career	Jaqueline Parchem, MD
5:10 - 5:30 pm	Panel Discussion	Francine Hughes, Rolanda Lister, Heather Lipkind and Jacqueline Parchem

Toxicology & Substance Use Disorders in Pregnancy

Forum Leader: Lorraine Milio, MD & Courtney Townsel, MD

This forum will provide a contemporary perspective for caring for people with SUD in pregnancy. Participants will hear updates on the use of telemedicine in managing SUDs in pregnancy. Current clinical practice has seen many new ways buprenorphine is dosed and used to manage women in pregnancy. Participants will hear about these new prescribing methods and the data for them. Lastly, there will be a focus placed on addressing the trauma many people with SUD have.

Time of Presentation	Title of Presentation	Speaker
3:00-3:15 pm	Opening & Introduction	Lorraine Milio MD, Courtney Townsel MD, MSc
3:15-3:45 pm	Telehealth in the era of COVID-19: Lessons learned while managing SUD in pregnancy	Lorraine Milio MD
3:45-4:15 pm	Varied Uses of Buprenorphine in Pregnancy	Megan Buresh, MD
4:15-4:45 pm	A Trauma-Informed Approach for Patients with SUD	Lauren Owens, MD MPH Courtney Townsel MD, MSc
4:45-5:15 pm	Panel Discussion	All speakers
5:15-5:30 pm	Closing & Future Directions	Lorraine Milio MD, Courtney Townsel MD, MSc

Ultrasound

Forum Leader: Jose Duncan, MD

Time of Presentation	Title of Presentation	Speaker
3:00 - 3:05 pm	Introduction	Jose Duncan, MD
3:05 - 3:50 pm	Cerbro-Placental ratio in Obstetrics	Prof. Asma Khalil, MD
3:50 - 4:30 pm	Fetal Pulmonary artery Doppler applications in Obstetrics	Dr. Mauro H. Schenone, MD
4:30 - 5:15 pm	Ductus venosus use in Obstetrics	Prof. Ahmet Baschat, MD
5:15 - 5:30 pm	Questions	