

8:00 AM 1 **Antenatal corticosteroid in twin pregnancy at risk of late preterm birth: A randomized controlled trial**
Seung Mi Lee¹; Hyun Soo Park²; Soo Ran Choi³; Jeeseun Lee¹; Hyun Ji Kim⁴; Jee Yoon Park⁴; Kyung Joon Oh⁴; Geum Joon Cho⁵; Min-Jeong Oh⁵; Jin Hoon Chung⁶; Sun Min Kim⁷; Byoung Jae Kim⁸; Suk Young Kim⁹; Subeen Hong¹⁰; Young Mi Jung⁵; Se Jin Lee¹¹; Ji Su Seong¹²; Haemin Kim¹³; Sohee Oh⁸; Joongyub Lee¹; Ji Hoi Kim¹; Hee Young Cho¹⁴; Chan-Wook Park¹; Joong Shin Park¹; Jong Kwan Jun¹⁵

¹Seoul National University College of Medicine, Seoul, Seoul-t'ukpyolsi; ²Dongguk University Ilsan Hospital, Goyang, Kyonggi-do; ³Inha University Hospital, Inha University College of Medicine, Incheon, Inch'on-jikhalsi; ⁴Seoul National University Bundang Hospital, Seoul National University College of Medicine, Bundang, Kyonggi-do; ⁵Korea University College of Medicine, Seoul, Seoul-t'ukpyolsi; ⁶University of Ulsan College of Medicine, Asan Medical Center, Seoul, Seoul-t'ukpyolsi; ⁷101 Daehak-ro, Jongno-gu, Seoul, Seoul-t'ukpyolsi; ⁸Seoul Metropolitan Government Seoul National University Boramae Medical Center, Seoul, Seoul-t'ukpyolsi; ⁹College of Medicine, Gachon University, Incheon, Inch'on-jikhalsi; ¹⁰Seoul St. Mary's Hospital, College of Medicine, The Catholic University of Korea, Seoul, Seoul-t'ukpyolsi; ¹¹Kangwon National University Hospital, School of Medicine, Kangwon National University, Chuncheon, Kangwon-do; ¹²Chung-Ang University Gwang-Myeong Hospital, Chung-Ang University College of Medicine, Gwang-Myeong, Kyonggi-do; ¹³Kyungpook National University Chilgok Hospital, Kyungpook National University, School of Medicine, Daegu, Ch'ungch'ongbukto; ¹⁴Seoul National University, Seoul, Seoul-t'ukpyolsi; ¹⁵Ewha Womans University College of Medicine, Seoul, Seoul-t'ukpyolsi

8:15 AM 2 **The Frequency and Severity of Complications after Previae PROM in Texas following SB8**
Danna Ghafir¹; **Emily Fah**¹; Nancy Ukoh¹; Han-Yang M. Chen¹; Sean C. Blackwell¹; Julie Gutierrez²; Irene A. Stafford¹

¹McGovern Medical School at UTHealth Houston, Houston, TX; ²McGovern Medical School at The University of Texas Health Science Center at Houston (UTHealth), Houston, TX

8:30 AM 3 **Fetal fraction amplification enables accurate prenatal cell-free DNA screening at 8 weeks gestation**
Lorraine Dugoff¹; Summer Pierson²; Jhett Bordwell³; Brent Mabey²; Arielle B. Dorch³; Alexander Gutin²; Dmitry Pruss²; Diana Iliev²; Dale Muzzey²; Katie Johansen Taber⁴

¹University of Pennsylvania, Philadelphia, PA; ²Myriad Genetics, Inc., Salt Lake City, UT; ³Myriad Genetics, Inc., South San Francisco, CA; ⁴Myriad Genetics, Inc., South San Francisco, CA

8:45 AM 4 **AI Significantly Improves Detection of Prenatal Ultrasounds Suspicious for Major Congenital Heart Defects by OBGYN/MFMs**

Jennifer Lam-Rachlin¹; Rajesh Punn²; Sarina K. Behera³; Miwa Geiger¹; Matthias Lachaud⁴; Nadine David⁵; Sara Garmel⁶; Matthew K. Janssen⁷; Kendra Sylvester⁸; John Kennedy⁹; Jessica Spiegelman¹; Mia A. Heiligenstein¹⁰; Nathan S. Fox¹; Andrei Rebarber¹; Gregory R. DeVore¹¹; Carolyn M. Zelop¹²; Roger Bessis¹³; Marilyne Levy¹⁴; Bertrand Stos¹⁴; Malo De Boisredon¹⁵; Eric Askinazi¹⁵; Valentin Thorey¹⁵; Christophe Gardella¹⁵; Alisa Arunamata²

¹Icahn School of Medicine at Mount Sinai Hospital, New York, NY; ²Pediatrics - Cardiology, Stanford University School of Medicine, Stanford, CA; ³Palo Alto Medical Foundation, Sutter Health, Palo Alto, CA; ⁴University of Grenoble Alpes, Grenoble, Rhone-Alpes; ⁵Medical Training Center, Rouen, Haute-Normandie; ⁶Michigan Perinatal Associates and Corewell Health, Dearborn, MI; ⁷University of Pennsylvania, Pittsburgh, PA; ⁸Perinatal Specialists of the Palm Beaches, West Palm Beach, FL; ⁹Wayne State University School of Medicine, Detroit, MI; ¹⁰Mount Sinai West, Astoria, NY; ¹¹The Fetal Diagnostic Center of Pasadena, Pasadena, CA; ¹²Valley Health System, Paramus, NJ; ¹³Centre d'Echographie de l'Odéon, Paris, Ile-de-France; ¹⁴UE3C - Unité d'explorations cardiologiques - Cardiopathies Congénitales, Paris, Ile-de-France; ¹⁵BrightHeart, Paris, Ile-de-France

Time	Abstract	Oral Plenary Session 1, continued
9:00 AM	5	<p>Atosiban versus placebo in threatened preterm birth (APOSTEL 8-study): an international randomized controlled trial</p> <p>Larissa I. van der Windt¹; Job Klumper¹; Ruben G. Duijnhoven¹; Marjolein Kok¹; Ben W. Mol²; Kate F. Walker³; Fionnuala M. M. McAuliffe⁴; Joris A. M. van der Post⁵; Carolien Roos¹; Martijn A. Oudijk¹</p> <p>¹Amsterdam UMC, location University of Amsterdam, Amsterdam, Noord-Holland; ²Monash University, Clayton, Victoria; ³Centre of Perinatal Research University of Nottingham, Queen's Medical Centre, Dublin, England; ⁴UCD Perinatal Research Centre, University College Dublin, Dublin 2, Dublin; ⁵Amsterdam UMC, location University of Amsterdam, Amsterdam, Noord-Brabant</p>
9:15 AM	6	<p>Prediction of severely small-for-gestational-age infants using a novel cell-free RNA model</p> <p>Morten Rasmussen¹; Kara M. Rood²; Aram Saravani¹; Michal A. Elovitz³; Carrie Haverty⁴; Alison Moe¹; Alison Cowan¹; Arkady Khodursky¹; Maneesh Jain¹; Manfred Lee¹; Thomas F. McElrath⁵; Elizabeth F. Sutton⁶; Arun Jeyabalan⁷; George R. Saade⁸; Antonio F. Saad⁹; Luis D. Pacheco¹⁰; Joseph R. Biggio, Jr¹¹; Ebony B. Carter¹²; Antonina I. Frolova¹³; Esther Park-Hwang¹⁴; Cynthia Gyamfi-Bannerman¹⁵; Ai-ris Y. Collier¹⁶; William A. Grobman²; Vincenzo Berghella¹⁷</p> <p>¹Mirvie Inc., South San Francisco, CA; ²The Ohio State University, Columbus, OH; ³Icahn School of Medicine at Mount Sinai, New York, NY; ⁴Mirvie Inc., South San Francisco, CA; ⁵Brigham Women's Hospital, Boston, MA; ⁶Woman's Hospital, Baton Rouge, LA; ⁷University of Pittsburgh School of Medicine, Pittsburgh, PA; ⁸Macon & Joan Brock Virginia Health Sciences Eastern Virginia Medical School at Old Dominion University, Norfolk, VA; ⁹Inova Health, Falls Church, VA; ¹⁰University of Texas Medical Branch, Galveston, TX; ¹¹Ochsner Health, New Orleans, LA; ¹²University of North Carolina, Chapel Hill, NC; ¹³Washington University School of Medicine, St. Louis, MO; ¹⁴Multicare, Orlando, FL; ¹⁵University of California, San Diego, San Diego, CA; ¹⁶Beth Israel Deaconess Medical Center, Boston, MA; ¹⁷Sidney Kimmel Medical College of Thomas Jefferson University, Philadelphia, PA</p>
9:30 AM	7	<p>Metformin paradoxically increases insulin resistance during pregnancy in a Rhesus macaque model</p> <p>Enrico R. Barrozo¹; Tyler Dean²; Claire E. Jensen³; Melissa A. Suter¹; Maxim D. Seferovic¹; Kristin Sauter²; Jacob E. Friedman⁴; Maureen Gannon⁵; Stephanie R. Wesoloski⁶; Carrie E. McCurdy⁷; Paul Kievit²; Kjersti M. Aagaard⁸</p> <p>¹Baylor College of Medicine and Texas Children's Hospital, Houston, TX; ²Oregon National Primate Research Center, Beaverton, OR; ³University of North Carolina, Chapel Hill, NC; ⁴Harold Hamm Diabetes Center, University of Oklahoma Health Sciences Center, Oklahoma City, OK; ⁵Vanderbilt University Medical Center, Nashville, TN; ⁶University of Colorado, Anschutz Medical Campus, Aurora, CO; ⁷University of Oregon, Eugene, OR; ⁸Boston Children's Hospital, Division of Fetal Medicine and Surgery, Boston, MA; HCA Healthcare and HCA Healthcare Research Institute, Nashville, TN; HCA Texas Maternal Fetal Medicine, Houston, TX; Baylor College of Medicine and Texas Children's Hospital, Houston, TX, Boston, MA</p>
9:45 AM	8	<p>INTER-ACT interpregnancy and pregnancy lifestyle intervention for a healthy future: a randomized controlled trial</p> <p>Yael Winter Shafran¹; Hanne Van Uytsel²; Annick Bogaerts²; Lieveke Ameye²; Roland Devlieger³</p> <p>¹Kaplan Medical Center and REALIFE Research Group, Rehovot, HaMerkaz; ²REALIFE Research Group, KU Leuven, Leuven, Vlaams-Brabant; ³University Hospital Leuven, Leuven, Vlaams-Brabant</p>

Thursday, January 30, 2025 • 10:00 AM – 10:30 AM		
Time	Abstract	Late-Breaking Abstract Presentations Session 1
10:00 AM	LB01	<p>CErebro Placental RAtio based management in reduced fetal movements; an international cluster-randomized clinical trial (CEPRA) Laura A. Lens¹; Selina Posthuma²; Stefanie E. Damhuis³; Renée J. Burger, N/A¹; Henk Groen⁴; Ruben G. Duijnhoven⁵; Sailesh Kumar⁶; Alexander E.P Heazell⁷; Asma Khalil⁸; Wessel Ganzevoort⁹; Sanne J. Gordijn¹⁰</p> <p>¹Amsterdam UMC, Amsterdam, Noord-Holland; ²University Medical Center Groningen, University Medical Center Groningen, Groningen; ³Amsterdam University Medical Centers, Amsterdam University Medical Centers, Noord-Holland; ⁴University Medical Center of Groningen, University Medical Center of Groningen, Groningen; ⁵Amsterdam UMC, location University of Amsterdam, Amsterdam, Noord-Holland; ⁶The University of Queensland, Brisbane, Queensland; ⁷The University of Manchester, Manchester, England; ⁸Fetal Medicine Unit, St George's Hospital, St George's University of London, Fetal Medicine Unit, St George's Hospital, S George's University of London, England; ⁹Amsterdam University Medical Centers, Amsterdam, Groningen; ¹⁰University Medical Center Groningen, Groningen, Groningen</p>
10:15 AM	LB02	<p>iSEARCH RCT: Evaluating the effectiveness of maternal sildenafil to reduce complications related to intrapartum hypoxia Sailesh Kumar¹; Ben W. Mol²; William Tarnow-Mordi³; Jon Hyett⁴; Nadia Badawi⁴; Annalene Seidler⁵; Helen Liley⁶; Emily Callander⁷; Vicky Flenady⁶; Sue Walker⁸; Rachel O'Connell⁴</p> <p>¹The University of Queensland, Brisbane, Queensland; ²Monash University, Clayton, Victoria; ³The University of Sydney, Sydney, New South Wales; ⁴University of Sydney, Sydney, New South Wales; ⁵Medical Uni Rostock, Rostock, Mecklenburg-Vorpommern; ⁶Mater Research Institute-University of Queensland, Brisbane, Queensland; ⁷University Technology Sydney, Sydney, New South Wales; ⁸Department of Obstetrics, Gynaecology and Newborn Health, University of Melbourne, Melbourne, Victoria</p>
Thursday, January 30, 2025 • 1:30 PM - 4:00 PM		
Time	Abstract	Oral Concurrent Session 1 - Equity, Public Health, and Policy
1:30 PM	9	<p>Dysregulated gene expression in placentas with exposure to persistent maternal socioeconomic disadvantage Greg E. Miller¹; Lauren Keenan-Devlin²; Alexa A. Freedman¹; Renee Odom-Konja³; Linda M. Ernst³; Steve Cole⁴; Ann EB Borders²</p> <p>¹Northwestern University, Chicago, IL; ²Endeavor Health, Evanston Hospital, Evanston, IL; ³Endeavor Health, Evanston, IL; ⁴University of California, Los Angeles, Los Angeles, CA</p>
1:45 PM	10	<p>Association Between Maternal-Fetal Medicine Physician Density and Adverse Pregnancy Outcomes Tetsuya Kawakita; Rula Atwani; Lindsay S. Robbins; George R. Saade</p> <p>Macon & Joan Brock Virginia Health Sciences Eastern Virginia Medical School at Old Dominion University, Norfolk, VA</p>
2:00 PM	11	<p>Black Maternal Morbidity and its Association with Systemic Racism Sebastian Z. Ramos; Meghan I. Short; Erika F. Werner; Chloe E. Bird; Ndidiyama Amutah-Onukagha; Michael B. Siegel</p> <p>Tufts University School of Medicine, Boston, MA</p>
2:15 PM	12	<p>Low-income Birthing Individuals' Need for and Satisfaction with Services in a One-Year Postpartum Navigation Program Maya J. Daiter¹; Laura Diaz¹; Hannah M. Green¹; Ying Cheung¹; Viridiana Carmona-Barrera¹; Brittney R. Williams¹; Charlotte M. Niznik¹; Joe M. Feinglass¹; William A. Grobman²; Lynn M. Yee¹</p> <p>¹Northwestern University Feinberg School of Medicine, Chicago, IL; ²The Ohio State University, Columbus, OH</p>

Thursday, January 30, 2025 • 1:30 PM - 4:00 PM		
Time	Abstract	Oral Concurrent Session 1 - Equity, Public Health, and Policy, continued
2:30 PM	13	<p>Impact of WIC Enrollment on Adverse Maternal and Neonatal Adverse Outcomes in Medicaid Populations Reetam Ganguli¹; Stephen Wagner²</p> <p>¹Elythea, San Jose, CA; ²Beth Israel Deaconess Medical Center, Boston, MA</p>
2:45 PM	14	<p>Homicide and Suicide: The Leading Cause of Maternal Death, and How Firearm Legislation Affects It Hooman A. Azad¹; Dana Goin²; Lisa Nathan³; Dena Goffman¹; Uma M. Reddy⁴; Danielle Laraque-Arena²; Mary E. D'Alton¹</p> <p>¹Columbia University Medical Center, New York, NY; ²Columbia University Mailman School of Public Health, New York, NY; ³Columbia University Irving Medical Center, New York, NY; ⁴Columbia University, New York, NY</p>
3:00 PM	15	<p>Elimination of a threefold racial disparity in aspirin recommendation using integrated clinical decision support Melissa S. Wong¹; Rommy Coutelin Johnson²; Karla Gonzalez¹; Ojiugo Onwumere³; Kristin Parrinella⁴; Camelita Thrift³; Samira Torna¹; Matthew Wells¹; Kimberly D. Gregory³</p> <p>¹Cedars-Sinai Medical Center, Los Angeles, CA; ²Cedars-Sinai, Los Angeles, CA; ³Cedars Sinai Medical Center, Los Angeles, CA; ⁴Kaiser-Permanente, Los Angeles, CA</p>
3:15 PM	16	<p>Severe maternal morbidity differences by state Medicaid expansion and abortion coverage: national database analysis, 2014-2022 Ishana Shetty; Mark C. Valentine; Mark Hoofnagle; Jennifer Reeves; David L. Eisenberg</p> <p>Washington University, St. Louis, MO</p>
3:30 PM	17	<p>Elevated micro- and nanoplastics detected in preterm human placentae Enrico R. Barrozo¹; Marcus A. Garcia²; Michael D. Jochum, Jr.¹; Rui Liu²; Alex Nihart²; Eliseo Castillo²; Eliane El Hayek²; Jorge Gonzalez-Estrella³; Lori Showalter¹; Cynthia Shope¹; Melissa A. Suter¹; Matthew J. Campen²; Kjersti M. Aagaard⁴</p> <p>¹Baylor College of Medicine and Texas Children's Hospital, Houston, TX; ²University of New Mexico, Albuquerque, NM; ³Oklahoma State University, Stillwater, OK; ⁴Boston Children's Hospital, Division of Fetal Medicine and Surgery, Boston, MA; HCA Healthcare and HCA Healthcare Research Institute, Nashville, TN; HCA Texas Maternal Fetal Medicine, Houston, TX; Baylor College of Medicine and Texas Children's Hospital, Houston, TX, Boston, MA</p>
3:45 PM	18	<p>Severe Maternal Morbidity among Asian and Pacific Islander Parturients in a Contemporary Northern California Cohort Shalila A. de Bourmont¹; Janet Alexander²; Baiyang Sun²; Erica P. Gunderson²; Mara Greenberg¹</p> <p>¹Kaiser-Permanente Northern California, Oakland, CA; ²Kaiser-Permanente Northern California, Pleasanton, CA</p>
Thursday, January 30, 2025 1:30 PM - 4:00 PM		
Time	Abstract	Oral Concurrent Session 2 - Clinical Obstetrics and Quality
1:30 PM	19	<p>Aberrant Fetal Growth in ARRIVE Trial Bonnie L. Hermann¹; Cassidy A. O'Sullivan²; Fabrizio Zullo³; Suneet Chauhan⁴; Hector M. Mendez-Figueroa⁵</p> <p>On behalf of the Eunice Kennedy Shriver National Institute of Child Health and Human Development Maternal-Fetal Medicine Units (MFMU) Network</p> <p>¹UTHealth Houston, Houston, TX; ²Christiana Care Health System, Newark, DE; ³University of Rome La Sapienza, Rome, Lazio; ⁴Christiana Care, Newark, DE; ⁵McGovern Medical School at UTHealth, Houston, TX</p>

1:45 PM	20	<p>Decreased Neuraxial Morphine Dose to Reduce Opioid Side Effects and use After Cesarean Delivery RCT</p> <p>Ayodeji Sanusi¹; Yumo Xue²; Kevin S. Shrestha²; Ayamo Oben³; Hanna Hussey²; Annalese Neuenschwander²; Michelle Tubinis²; Mark Powell²; Alan T. Tita²; Casey Brian⁴</p> <p>¹Center for Women’s Reproductive Health, University of Alabama at Birmingham, Birmingham, AL; ²University of Alabama at Birmingham, Birmingham, AL; ³Maternal Fetal Consultants of Houston, Houston, TX; ⁴West Virginia University, Morgantown, WV</p>
2:00 PM	21	<p>Proportion of Time Spent in Category II Fetal Heart Tracing During Labor: Associated Adverse Outcomes</p> <p>Kristen A. Cagino¹; Rachel L. Wiley²; Aaron W. Roberts³; Claudia J. Ibarra⁴; Natalie L. Neff⁵; Kimen S. Balhotra⁴; Khalil M. Chahine⁴; Christina Cortes⁴; Shareen Patel⁴; Tala Ghorayeb⁴; Holly Flores⁶; Fabrizio Zullo⁷; Hector M. Mendez-Figueroa⁴; Suneet Chauhan⁸</p> <p>¹UT Houston, Houston, TX; ²University of California, San Diego, San Diego, CA; ³McGovern Medical School at UTHealth Houston, Houston, TX; ⁴McGovern Medical School at UTHealth, Houston, TX; ⁵McGovern Medical School at UT Health, Houston, TX; ⁶University of Texas Health Science Center, Houston, TX; ⁷University of Rome La Sapienza, Rome, Lazio; ⁸Christiana Care, Newark, DE</p>
2:15 PM	22	<p>Tranexamic acid prophylaxis during cesarean delivery among patients with and without hypertension</p> <p>Adam K. Lewkowitz¹; Mariam Ayyash²</p> <p>On behalf of the Eunice Kennedy Shriver National Institute of Child Health and Human Development Maternal-Fetal Medicine Units (MFMU) Network</p> <p>¹Women & Infants Hospital of Rhode Island and Alpert Medical School of Brown University, Providence, RI; ²Columbia University Irving Medical Center, New York, NY</p>
2:30 PM	23	<p>Preclinical Development of a Continuous Fetal Lactate Biosensor to Detect Acidosis</p> <p>Jonathan M. Morris¹; Arjun Kaushik²; Michael Challenor²; Lee J. Hubble²; Chaitya Shah²; Maureen Ross²; Ranjusha Rajagopalan²; Hassan Mahmood²; Allana Gurney³; Hayley Powell³; Jane Choi³; Helen Kershaw³; Gabrielle Musk³; Jane Pillow³</p> <p>¹University of Sydney, New South Wales; ²VitalTrace Pty Ltd, Western Australia; ³University of Western Australia, Crawley, Western Australia</p>
2:45 PM	24	<p>After Cesarean Time Interval to Exercise (ACTIVE) Trial: A Randomized Controlled Trial</p> <p>Brittany J. Roser¹; James Kinderknecht²; Brett Toresdahl³; Patricia Ladis⁴; Sonali Iyer⁵; Megan Savage⁶; Timothy Dekker⁷; Paul Christos⁵; Robin B. Kalish⁸</p> <p>¹Stony Brook University Hospital, NY; ²Hospital for Special Surgery, New York, NY; ³University of Utah Health, Salt Lake City, UT; ⁴WiseBody Physical Therapists, New York, NY; ⁵Weill Cornell Medical College, New York, NY; ⁶Northwell Health at Lenox Hill, New York, NY; ⁷Ascension Medical Group, Rochester, MN; ⁸New York Presbyterian- Weill Cornell, New York, NY</p>
3:00 PM	25	<p>Intrauterine Resuscitative Maneuvers for Management of Abnormal Fetal Heart Tracings: A Systematic Review and Meta-Analysis</p> <p>Amanda J. Jones¹; Fabrizio Zullo²; Luis Sanchez-Ramos³; Lauren C. Roby¹; Stephanie Roth⁴; Suneet Chauhan⁵; Matthew K. Hoffman¹; Anthony C. Sciscione¹</p> <p>¹Christiana Care Health System, Newark, DE; ²University of Rome La Sapienza, Rome, Lazio; ³University of Florida College of Medicine, Jacksonville, FL; ⁴Christiana Care Health Services, Newark, DE; ⁵Christiana Care, Newark, DE</p>

Thursday, January 30, 2025 • 1:30 PM - 4:00 PM		
Time	Abstract	Oral Concurrent Session 2 - Clinical Obstetrics and Quality, continued
3:15 PM	26	<p>Reducing Postpartum Hemorrhage: The Impact of a Standardized High-Dose Oxytocin Protocol Evan J. Keil¹; Elizabeth J. Campbell²; Joanne M. Bailey²; David E. Arnolds²; Diana Peacor²; Molly J. Stout²; Jourdan E. Triebwasser¹</p> <p>¹University of Michigan, Ann Arbor, MI; ²University of Michigan Medical Center, Ann Arbor, MI</p>
3:30 PM	27	<p>Hysterotomy using Barbed vs. Vicryl Suture for Scheduled Cesarean Delivery: A Randomized Controlled Trial Ayisha B. Buckley¹; Nicola F. Tavella²; Camila Cabrera²; Keisha S. Paul²; Mariah McKeivitt²; Monica J. Patel²; Lauren A. Ferrara²; Jenny Tang²; Joanne Stone³; Calvin E. Lambert, Jr.²; Luciana A. Vieira⁴; Angela T. Bianco²</p> <p>¹Weill Cornell Medical Center, New York, NY; ²Icahn School of Medicine at Mount Sinai, New York, NY; ³Mt. Sinai Medical Center, New York, NY; ⁴Stamford Hospital, Stamford, CT</p>
3:45 PM	28	<p>Investigating selection bias in research using placental pathology samples Linda M. Ernst¹; Alexa A. Freedman²; Renee Odom-Konja¹; Lauren Keenan-Devlin³; Greg E. Miller²; Ann EB Borders³</p> <p>¹Endeavor Health, Evanston, IL; ²Northwestern University, Chicago, IL; ³Endeavor Health, Evanston Hospital, Evanston, IL</p>
Thursday, January 30, 2025 • 1:30 PM - 4:00 PM		
Time	Abstract	Oral Concurrent Session 3 - Ultrasound and Genetics
1:30 PM	29	<p>Beyond the Fetus: Unveiling Maternal Health Risks Through Prenatal Genome Sequencing Brittany Arditi¹; Caitlin D. Baptiste²; Jessica L. Giordano¹; Rachel Herz-Roiphe²; Vaidehi Jobanputra³; Ronald J. Wapner⁴</p> <p>¹Columbia University Irving Medical Center, New York, NY; ²Columbia University Medical Center, New York, NY; ³New York Genome Center, New York, NY; ⁴Columbia University, New York, NY</p>
1:45 PM	30	<p>Artificial Intelligence System Accurately Detects Fetal Ultrasound Findings Suspicious For Major Congenital Heart Defects Carolyn M. Zelop¹; Jennifer Lam-Rachlin²; Alisa Arunamata³; Rajesh Punn³; Sarina K. Behera⁴; Matthias Lachaud⁵; Nadine David⁶; Gregory R. DeVore⁷; Andrei Rebarber²; Nathan S. Fox²; Marjorie Gayanilo²; Sara Garmel⁸; Philippe Boukobza⁹; Pierre Uzan¹⁰; Hervé Joly¹¹; Romain Girardot¹²; Laurence Cohen¹³; Marilyn Levy¹⁴; Bertrand Stos¹⁴; Malo De Boisredon¹⁵; Eric Askinazi¹⁵; Valentin Thorey¹⁵; Christophe Gardella¹⁵; Miwa Geiger²</p> <p>¹Valley Health System, Paramus, NJ; ²Icahn School of Medicine at Mount Sinai Hospital, New York, NY; ³Pediatrics - Cardiology, Stanford University School of Medicine, Stanford, CA; ⁴Palo Alto Medical Foundation, Sutter Health, Palo Alto, CA; ⁵University of Grenoble Alpes, Grenoble, Rhone-Alpes; ⁶Medical Training Center, Rouen, Haute-Normandie; ⁷The Fetal Diagnostic Center of Pasadena, Pasadena, CA; ⁸Michigan Perinatal Associates and Corewell Health, Dearborn, MI; ⁹CEDEF - Centre Européen de Diagnostic et d'Exploration de la Femme, Le Chesnay, Ile-de-France; ¹⁰Groupe IMEF - Imagerie Médicale de l'Est Francilien, Rosny-sous-Bois, Ile-de-France; ¹¹CARPEDIOL - Cardiologie Pédiatrique, foetale et congénitale adulte de L'Ouest Lyonnais, Ecully, Rhone-Alpes; ¹²Unité de Dépistage de Cardiopathies Foetales et Néonatales, Bordeaux, Aquitaine; ¹³ETCC - Exploration et Traitement des Cardiopathies Congénitales, Massy, Ile-de-France; ¹⁴UE3C - Unité d'explorations cardiologiques - Cardiopathies Congénitales, Paris, Ile-de-France; ¹⁵BrightHeart, Paris, Ile-de-France</p>
2:00 PM	31	<p>Effect of Home Ultrasound in Patients with Previous Late Pregnancy Loss- A Randomized Control Trial Liat Mor¹; Hagit Eisenberg²; Liliya Tamayev³; Daniel Tairy¹; Ben Oren³; Yael Ganor Paz¹; Michal Levy³; Eran Weiner²; Giulia Barda²</p> <p>¹Edith Wolfson Medical Center, Holon, HaMerkaz; ²Wolfson Medical Center, Wolfson Medical Center, Tel Aviv; ³Edith Wolfson Medical center, Holon, HaMerkaz</p>

2:15 PM	32	<p>Genetic diagnoses in a national cohort with non-immune hydrops and other fetal effusions Natalie B. Gulrajani¹; Billie R. Lianoglou²; Katie Tick³; Nuriye Sahin-Hodoglugil³; Ugur Hodoglugil⁴; Patrick Devine⁴; Jessica Van Ziffle⁴; Mary E. Norton²; Teresa N. Sparks³</p> <p>¹University of California, San Francisco, School of Medicine, San Francisco, CA; ²Center for Maternal-Fetal Precision Medicine, University of California San Francisco, San Francisco, CA; ³University of California, San Francisco, San Francisco, CA; ⁴Genomic Medicine Laboratory, University of California, San Francisco, San Francisco, CA</p>
2:30 PM	33	<p>Genomewide monogenic Non Invasive Prenatal Genetic Screening based on maternal cfDNA Dolev Rahat¹; Ravit Mesika¹; Lilach Schneor¹; Noa Liscovitch-Brauer²; Tom Rabinowitz¹; Noam Shomron¹; Reut Tomashov Matar³; Lina Basel-Salmon³</p> <p>¹Identifai Genetics, Tel Aviv, Israel; ²Identifai Genetics, Tel Aviv; ³Raphael Recanati Genetic Institute, Rabin Medical Center, Beilinson Hospital, Tel Aviv</p>
2:45 PM	34	<p>AI Assistance Enhances Physician Performance in Identifying Congenital Malformations Clémentine Morisset¹; Frédéric Logé-Munere¹; Celia Amabile¹; Louis Chouinard¹; Vianney Debavelaere¹; Remi Besson¹; Nikola Matevski¹; Guillaume Corda¹; Julien Stirnemann²; Yves Ville³; Yinka Oyelese⁴; Andrew Combs⁵</p> <p>¹Sonio, Paris, Ile-de-France; ²Hôpital Necker Enfants Malades, Paris, Ile-de-France; ³University and Necker-Enfants Malades Hospital, Paris, Ile-de-France; ⁴Beth Israel Deaconess Medical Center/Harvard Medical School, Boston, MA; ⁵Pediatrix Medical Group, Sunrise, FL</p>
3:00 PM	35	<p>Exploring Gastroschisis Patterns and Pesticide Use in California's Central Valley: A population-based cohort Study Alejandro Perez¹; Bharti Garg²; Hope Delgado³; Joshua F. Robinson⁴; Aaron B. Caughey²; Stephanie L. Gaw⁴</p> <p>¹University of California, San Francisco, Kerman, CA; ²Oregon Health & Science University, Portland, OR; ³University of California, Berkeley, Berkeley, CA; ⁴University of California, San Francisco, San Francisco, CA</p>
3:15 PM	36	<p>AI software demonstrates strong performance for screening of Tetralogy of Fallot and Truncus Arteriosus Communis Remi Besson¹; Nicolas Fries²; Julien Stirnemann³; Yves Ville⁴; Guy Vaksman⁵</p> <p>¹Sonio, Paris, Ile-de-France; ²Imagyn'Echo, Imagyn'echo Montpellier, Languedoc-Roussillon; ³Hôpital Necker Enfants Malades, Paris, Ile-de-France; ⁴University and Necker-Enfants Malades Hospital, Paris, Ile-de-France; ⁵Cabinet Vendôme, Lille, Nord-Pas-de-Calais</p>
3:30 PM	37	<p>Genetic Etiologies of Bilateral Renal Agenesis Bobby Brar¹; Robert Weatherford²; Carol Nowlen¹; Katelynn Sagaser³; Ahmet A. Baschat¹; Karin Blakemore¹; Jena L. Miller¹; Angie C. Jelin¹</p> <p>¹Johns Hopkins Medicine, Baltimore, MD; ²Massachusetts General Hospital, Boston, MA; ³23andMe, South San Francisco, CA</p>
3:45 PM	38	<p>Fully Quantitative Cervical Remodeling: Inter-pregnancy interval shows differences in biomechanical characteristics of the cervix Sarah M. Dwyer¹; LeAnn A. Louis¹; Methodius G. Tuuli²; Adam K. Lewkowicz²; Julie Tumbarello¹; Emily Dively, BSN³; Madeline Felske¹; Wendy Sparks¹; Giselle Kolenic⁴; Peinan Zhao⁵; Molly J. Stout⁶</p> <p>¹University of Michigan Hospital, Ann Arbor, MI; ²Women & Infants Hospital of Rhode Island and Alpert Medical School of Brown University, Providence, RI; ³Washington University School of Medicine, St. Louis, MO; ⁴University of Michigan, Ann Arbor, MI; ⁵Washington University, St. Louis, MO; ⁶University of Michigan Medical Center, Ann Arbor, MI</p>

Friday, January 31, 2025 • 8:00 AM - 10:00 AM		
Time	Abstract	Oral Plenary Session 2 (Fellows Plenary)
8:00 AM	39	<p>Methylergonovine to Decrease Blood Loss During Cesarean Delivery in Twins: A Triple-Blinded Placebo-Controlled Randomized Trial</p> <p>Helen B. Gomez Slagle¹; Shai Bejerano²; Russell S. Miller²; Dena Goffman²; Mary E. D'Alton²; Mirella Mourad²</p> <p>¹Columbia University Irving Medical Center, New York, NY; ²Columbia University Medical Center, New York, NY</p>
8:15 AM	40	<p>Management of postpartum preeclampsia and hypertensive disorders (MOPP): Postpartum tight versus standard blood pressure control</p> <p>Emily B. Rosenfeld¹; Deepika Sagaram¹; Rachel Lee¹; Ernani Sadural²; Richard C. Miller²; Ruby Lin¹; Deshae Jenkins¹; Kristin Blackledge³; Ivana Nikodijevic⁴; Alex Rizzo²; Vanessa Martinez¹; Emily E. Daggett⁵; Olivia McGeough¹; Cande V. Ananth¹; Todd J. Rosen¹</p> <p>¹Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ; ²Cooperman Barnabas Medical Center, RWJBarnabas Health, Livingston, NJ; ³Rutgers New Jersey Medical School and Cooperman Barnabas Medical Center, Livingston, NJ; ⁴New Jersey Medical School, Newark, NJ; ⁵Rutgers Robert Wood Johnson Medical School, Edison, NJ</p>
8:30 AM	41	<p>Impact of living in a food desert on prenatal macro- and micronutrient intake</p> <p>Noor K. Al-Shibli¹; Anne L. Dunlop²; Suchitra Chandrasekaran³</p> <p>¹Emory University, School of Medicine, Atlanta, GA; ²Emory University School of Medicine, Atlanta, GA; ³Emory University, Atlanta, GA</p>
8:45 AM	42	<p>Small for gestational age prediction using unsupervised machine learning of first trimester fetal cardiac parameters</p> <p>Rebecca Horgan¹; Elena Sinkovskaya¹; Erkan Kalafat²; George R. Saade¹; Alfred Abuhamad³</p> <p>¹Macon & Joan Brock Virginia Health Sciences Eastern Virginia Medical School at Old Dominion University, Norfolk, VA; ²Koc University Hospital, Istanbul, Istanbul; ³Eastern Virginia Medical School, Norfolk, VA</p>
9:00 AM	43	<p>Pravastatin dose-range and pharmacokinetic study in a pregnant rat model</p> <p>Xiao-Yu Wang¹; Sydney Lammers²; Jennifer Reno-Graber³; Frederick Reno³; Alan Hoberman⁴; George R. Saade⁵; Monica Longo⁶; Victoria L. Pemberton⁷; Ronald J. Wapner⁸; Nicole Abbott¹; Zhiliang Xie¹; Joo Young Na¹; Mitch A. Phelps¹; Maged M. Costantine¹</p> <p>¹The Ohio State University, Columbus, OH; ²The Ohio State University, College of Medicine, Columbus, OH; ³Reno & Associates, FL; ⁴Charles River Laboratories, PA; ⁵Macon & Joan Brock Virginia Health Sciences Eastern Virginia Medical School at Old Dominion University, Norfolk, VA; ⁶National Institute of Child Health and Human Development, Bethesda, MD; ⁷National Heart, Lung, and Blood Institute, Bethesda, MD; ⁸Columbia University, New York, NY</p>
9:15 AM	44	<p>Patterns of perceived and everyday stress, resilience, and adverse placentally mediated outcomes</p> <p>Maura Jones Pullins; Sarah Heerboth; Joy McNeal; Ashlyn Tolbert; Annie Dude; Johanna Quist-Nelson; Rebecca Fry; Tracy A. Manuck</p> <p>University of North Carolina, Chapel Hill, NC</p>
9:30 AM	45	<p>Microfluidic Device Successfully Replaces Traditional Models of Pregnancy Associated Drug Pharmacokinetic Studies</p> <p>Ana Collins-Smith; Ananth Kammala; Lauren Richardson; Xiao-ming Wang; Ramkumar Menon</p> <p>University of Texas Medical Branch, Galveston, TX</p>

Friday, January 31, 2025 • 8:00 AM - 10:00 AM

Time	Abstract	Oral Plenary Session 2 (Fellows Plenary), continued
9:45 AM	46	Continuous Glucose Monitoring for Gestational Diabetes Diagnosis: A Comparative Effectiveness Randomized Control Trial (PRECISE) Sarah A. Nazeer ¹ ; Joycelyn A. Corntwaithe, RD, CDE ¹ ; Rafael Bravo Santos ¹ ; Claudia Pedroza ¹ ; Sean C. Blackwell ² ; Suneet Chauhan ³ ; Farah H. Amro ² ; Ghamar Bitar ² ; Jon Tyson ¹ ; Baha M. Sibai ² ; Michal Fishel Bartal ⁴ ¹ The University of Texas Health Science Center at Houston (UTHealth), Houston, TX; ² McGovern Medical School at UTHealth Houston, Houston, TX; ³ Christiana Care, Newark, DE; ⁴ UTH Houston & Sheba Medical Center Israel, Houston, TX

Friday, January 31, 2025 • 10:00 AM – 10:30 AM

Time	Abstract	Late-Breaking Abstract Presentations Session 2
10:00 AM	LB03	Single-dose intravenous iron versus oral iron for maternal iron deficiency anemia: a randomized controlled trial Richard Derman ¹ ; Mrutyunjaya Bellad ² ; Manjunath Somannavar ² ; Sudhir Bhandari ³ ; Sudhir Mehta ³ ; Seema Mehta ³ ; Dharmesh Sharma ³ ; Yogesh Kumar ⁴ ; Umesh Charantimath ⁴ ; Amaresh Patil ⁵ ; Ashalata Mallapur ⁶ ; Umesh Ramdurg ⁶ ; Radha Sangavi ⁷ ; Praveen Patil ⁷ ; Subarana Roy ⁸ ; Phaniraj Vastrad ⁹ ; Chander Shekhar ¹⁰ ; Benjamin Leiby ¹⁰ ; Rebecca Hartman ¹⁰ ; Michael Georgieff ¹¹ ; Stephen Mennemeyer ¹⁰ ; Zubair H. Aghai ¹² ; Simal Thind ¹⁰ ; Rupsa C. Boelig ¹³ ¹ Jefferson Health, Philadelphia, PA; ² KLE Academy of Higher Education and Research's J N Medical College,, Belagavi, Karnataka; ³ Sawai Man Singh Medical College, Jaipur, Rajasthan; ⁴ KLE Academy of Higher Education and Research's J N Medical College,, KLE Academy of Higher Education and Research's J N Medical College,, Karnataka; ⁵ KLE Academy of Higher Education and Research's J N Medical College, Belagavi, Karnataka; ⁶ S Nijalingappa Medical and HSK Hospital and Research Center, Bagalkote, Karnataka; ⁷ Raichur Institute of Medical Sciences, Raichur, Karnataka; ⁸ ICMR – National Institute of Traditional Medicine, Belagavi, Karnataka; ⁹ Model Rural Health Research Unit, Sirwar, Karnataka; ¹⁰ Thomas Jefferson University, Philadelphia, PA; ¹¹ University of Minnesota, Minneapolis, MN; ¹² Sidney Kimmel Medical College at Thomas Jefferson University, Philadelphia, PA; ¹³ Sidney Kimmel Medical College, Thomas Jefferson University, Philadelphia, PA

10:15 AM	LB04	Neonatal impact of prematurity risk biomarker screening with targeted interventions: A multicenter randomized controlled trial Brian K. Iriye ¹ ; John O'Brien ² ; Christopher S. Ennen ³ ; Perry Barrilleaux ⁴ ; Jill Berkin ⁵ ; Anna Palatnik ⁶ ; Moeun Son ⁷ ; Cynthia Gyamfi-Bannerman ⁸ ; Mollie McDonald ⁹ ; Glenn Markenson ¹⁰ ; Anthony C. Sciscione ¹¹ ; Joseph R. Biggio, Jr ¹² ; Samuel Wolf ¹³ ; Scott Sullivan ¹⁴ ; Michael Walker ¹⁵ ; Babak Shahbaba ¹⁶ ; Stephen P. Pound ¹⁷ ¹ Hera Womens Health, Las Vegas, NV; ² University of Kentucky, Lexington, KY; ³ University of Virginia School of Medicine, Charlottesville, VA; ⁴ Ochsner Louisiana State University Health Shreveport, Shreveport, LA; ⁵ Icahn School of Medicine at Mount Sinai, New York, NY; ⁶ Medical College of Wisconsin, Milwaukee, WI; ⁷ Weill Cornell Medicine, New York, NY; ⁸ University of California, San Diego, San Diego, CA; ⁹ Austin Maternal-Fetal Medicine, Austin, TX; ¹⁰ Boston Medical Center, Boston, MA; ¹¹ Christiana Care Health System, Newark, DE; ¹² Ochsner Health, New Orleans, LA; ¹³ Emerald Coast OBGYN Clinical Research, Panama City, FL; ¹⁴ Inova Fairfax Medical Campus, Fairfax, VA; ¹⁵ Walker Bioscience, Carlsbad, CA; ¹⁶ University of California, Irvine, Irvine, CA; ¹⁷ Virginia Physicians for Women, North Chesterfield, VA
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Friday, January 31, 2025 • 1:30 PM - 4:00 PM

Time	Abstract	Oral Concurrent Session 4 - Basic and Translational Science
1:30 PM	47	Novel Neural Extracellular Vesicle miRNA Biomarkers Identify Suboptimal Response to Cooling in Neonatal Encephalopathy Sarah T. Mehl ¹ ; Baharan Fekry ¹ ; Lierni Ugartemendia ¹ ; Dhanashree Rajderkar ² ; Nikolay Bliznyuk ² ; Shaveka Gaskins ² ; Michael D. Weiss ³ ; Laura Goetzl ¹ ¹ McGovern Medical School at UTHealth Houston, Houston, TX; ² University of Florida, Gainesville, FL; ³ University of Florida College of Medicine, Gainesville, FL

Friday, January 31, 2025 • 1:30 PM - 4:00 PM		
Time	Abstract	Oral Concurrent Session 4 - Basic and Translational Science, continued
1:45 PM	48	<p>3D-printed humanized feto-maternal interface tests exosomal delivery of anti-inflammatory Interleukin-10 (IL-10) to reduce infection-associated inflammation Leah Saylor¹; Rahul Cherukuri²; Ananth Kammala¹; Marc Ferrer³; Cristina Antich Acedo³; Arum Han²; Lauren Richardson¹; Ramkumar Menon¹</p> <p>¹University of Texas Medical Branch, Galveston, TX; ²Texas A&M University, College Station, TX; ³National Center for Advancing Translational Sciences, National Institute of Sciences, Bethesda, MD</p>
2:00 PM	49	<p>Decoy peptide to (pro)renin receptor as a potential therapeutic target for preeclampsia: a translational study Michelle Harris¹; Ahmed F. Pantho²; Kelsey R. Kelso¹; Jessica C. Ehrig³; Ram R. Kalagiri¹; Niraj Vora¹; Thomas J. Kuehl²; Steven R. Lindheim¹; Mohammad N. Uddin⁴</p> <p>¹Baylor Scott & White Health Temple Medical Center, Temple, TX; ²Artemis Biotechnologies LLC, Temple, TX; ³Baylor Scott and White Health, Temple, TX; ⁴Baylor Scott & White Medical Center and Texas A&M School of Medicine, Temple, TX</p>
2:15 PM	50	<p>Longitudinal changes in epigenetic aging in pregnant versus non-pregnant people: a prospective cohort study Danielle M. Panelli; Nicole Gladish; Nicola C. Perlman; Andres Cardenas; Katherine Bianco</p> <p>Stanford University, Palo Alto, CA</p>
2:30 PM	51	<p>Lactobacillus crispatus mitigates Group B Streptococcus-induced inflammation in the cervicovaginal epithelium Briana Ferguson; Aaron Loder; Lauren Anton; Kristin D. Gerson</p> <p>University of Pennsylvania Perelman School of Medicine, Philadelphia, PA</p>
2:45 PM	52	<p>Expression of CD300E in human myometrium and its impact on parturition Meera M. Thakkar¹; William E. Ackerman, IV¹; Guomao Zhao¹; Zoe B. Strong¹; Elizabeth Feoktistov²; Ekaterina Snegovskikh²; Catalin S. Buhimschi¹; Irina A. Buhimschi¹</p> <p>¹University of Illinois at Chicago, College of Medicine, Chicago, IL; ²University of Illinois at Chicago, Chicago, IL</p>
3:00 PM	53	<p>Personalized models of fetal brain development as biomarkers of offspring neurodevelopmental outcomes after maternal SARS-CoV-2 Lydia L. Shook; Liam T. McCrea; Olyvia Jasset; Steven D. Sheridan; Roy H. Perlis; Andrea G. Edlow</p> <p>Massachusetts General Hospital, Boston, MA</p>
3:15 PM	54	<p>The Placental Vascular Transcriptome in Pregnancies Resulting in Low vs. Normal Birth Weight Neonates Samantha Carson¹; Morgan E. Wasickanin¹; Emily Sheikh¹; Hillary Kinsman¹; Lydia Bettridge¹; Katherine E. Free¹; Jennifer Damicis¹; Robert Walton¹; Peter Napolitano²; Nicholas Ieronimakis¹</p> <p>¹Madigan Army Medical Center, Tacoma, WA; ²University of Washington, Seattle, WA</p>
3:30 PM	55	<p>Commonly Used Non-Steroidal Anti-Inflammatory Drug (NSAIDs) in Obstetrics & Associated Placental Cytotoxicity Ana Collins-Smith</p> <p>University of Texas Medical Branch, Galveston, TX</p>

Friday, January 31, 2025 • 1:30 PM - 4:00 PM		
Time	Abstract	Oral Concurrent Session 4 - Basic and Translational Science, continued
3:45 PM	56	<p>Evaluating Semaglutide in Human Fetal Neural Stem Cells: Could Early Exposure Impact Neurodevelopment?</p> <p>Morgan E. Wasickanin¹; Samantha Carson¹; Hillary Kinsman¹; Katherine E. Free¹; Jennifer Damici¹; Emily Sheikh¹; Robert Walton¹; Irina Burd²; Peter Napolitano³; Nicholas Ieronimakis¹</p> <p>¹Madigan Army Medical Center, Tacoma, WA; ²University of Maryland, Baltimore, MD; ³University of Washington, Seattle, WA</p>
Friday, January 31, 2025 • 1:30 PM - 4:00 PM		
Time	Abstract	Oral Concurrent Session 5 - Hypertension
1:30 PM	57	<p>Myo-inositol Supplementation to Prevent Pregnancy Complications in Polycystic Ovary Syndrome: a Randomized Controlled Trial</p> <p>Anne W.T. Van Der Wel¹; Rebekka Bout-Rebel²; Chrysel M.C. Frank³; Ruben G. Duijnhoven¹; Bo E. Van Bree⁴; Olivier Valkenburg⁴; Salwan Al-Nasiry⁴; Robbert H.F. van Oppenraaij⁵; Tatjana E. Vogelvang⁶; Michelle E.M.H. Westerhuis⁷; Jan Peter de Bruin⁸; Hedwig P. van de Nieuwenhof⁸; Susanne C.J.P. Gielen⁹; Myrthe L. Bandell¹⁰; Mireille N. Bekker¹¹; Maurice G.A.J. Wouters¹; Velja Mijatovic¹; Arie Franx²; Cornelis B. Lambalk¹; Frank J.M. Broekmans¹¹; Rebecca C. Painter¹; Bart C.J.M. Fauser¹²; Joop S.E. Laven²; Bas B. van Rijn¹³; MYPP Investigator Group²</p> <p>¹Amsterdam UMC, location University of Amsterdam, Amsterdam, Noord-Holland; ²Erasmus University Medical Center, Zuid-Holland; ³St. Antonius Ziekenhuis, Utrecht; ⁴Maastricht UMC+, Limburg; ⁵Maasstad Ziekenhuis, Zuid-Holland; ⁶Het Diaconessenhuis, Utrecht; ⁷Catharina Ziekenhuis, Noord-Brabant; ⁸Jeroen Bosch Ziekenhuis, Noord-Brabant; ⁹Franciscus, Zuid-Holland; ¹⁰Albert Schweitzer ziekenhuis, Zuid-Holland; ¹¹University Medical Center Utrecht, Utrecht; ¹²University of Utrecht and University Medical Center Utrecht, Utrecht; ¹³Eindhoven University of Technology, Noord-Brabant</p>
1:45 PM	58	<p>Nifedipine versus Labetalol for Treatment of Postpartum Hypertension: A Randomized Controlled Trial</p> <p>Todd R. Lovgren¹; Ruofan Yao²; Brendan D. Connealy³; Robert Bonebrake¹; Hemant Satpathy¹; Emily Patel¹; Matthew Brady¹; Joshua Dahlke⁴</p> <p>¹Nebraska Methodist Health System, Elkhorn, NE; ²Loma Linda University Health, Loma Linda, CA; ³Methodist Women's Hospital, Omaha, NE; ⁴Nebraska Methodist Hospital, Elkhorn, NE</p>
2:00 PM	59	<p>Defining postpartum cardiovascular physiology: Blood pressure trajectories in patients at risk for new-onset postpartum hypertension</p> <p>Ukachi N. Emeruwa¹; Minhazur R. Sarker¹; Elizabeth Nicole Teal¹; Marni B. Jacobs²; Louise C. Laurent³; Natalie A. Bello⁴; Timothy Wen⁵; Russell S. Miller⁶; Cynthia Gyamfi-Bannerman¹</p> <p>¹University of California, San Diego, San Diego, CA; ²University of California, San Diego Health, San Diego, CA; ³University of California, San Diego Medical Center, La Jolla, CA; ⁴Cedars Sinai Medical Center, Los Angeles, CA; ⁵University of California, San Diego, Irvine, CA; ⁶Columbia University Medical Center, New York, NY</p>
2:15 PM	60	<p>Severe Systolic Hypertension and Adverse Maternal Outcomes</p> <p>Yossi Bart¹; Hector M. Mendez-Figueroa²; Farah H. Amro¹; Baha M. Sibai¹</p> <p>¹McGovern Medical School at UTHealth Houston, Houston, TX; ²McGovern Medical School at UTHealth, Houston, TX</p>
2:30 PM	61	<p>Postpartum Diuretics for Hypertensive Disorders of Pregnancy: A Systematic Review and Meta-Analysis</p> <p>Emma Trawick Roberts¹; Elana Jaffe¹; Johanna Quist-Nelson¹; Suneet Chauhan²; Baha M. Sibai³; Michal Fishel Bartal⁴</p> <p>¹University of North Carolina, Chapel Hill, NC; ²Christiana Care, Newark, DE; ³McGovern Medical School at UTHealth Houston, Houston, TX; ⁴UTH Houston & Sheba Medical Center Israel, Houston, TX</p>

Friday, January 31, 2025 • 1:30 PM - 4:00 PM		
Time	Abstract	Oral Concurrent Session 5 – Hypertension, continued
2:45 PM	62	<p>Association of Preeclampsia with Long-Term Risk of Neurodegenerative Disorders Maria Bazan¹; Ai-ris Y. Collier²; Tina Yi Jin Hsieh²; James Cheng-Chung Wei³</p> <p>¹Beth Israel Deaconess Medical Center, Brighton, MA; ²Beth Israel Deaconess Medical Center, Boston, MA; ³Chung-Shan Medical School, Taichung, Taichung</p>
3:00 PM	63	<p>Comprehensive blood pressure management to improve early postpartum blood pressure parameters: a randomized controlled trial Alexandra JD Phelps¹; Loveis Jackson¹; Lilly He¹; Ashanti E. Griggs-Cooks¹; Neha Dudipala²; Etoi Garrison¹; Kathryn J. Lindley¹; Soha S. Patel¹; Julia C. Phillippi³; Megan Webb¹; Sarah S. Osmundson¹</p> <p>¹Vanderbilt University Medical Center, Nashville, TN; ²Ohio State University College of Medicine, Columbus, OH; ³Vanderbilt University School of Nursing, Nashville, TN</p>
3:15 PM	64	<p>Hofbauer cells may mediate PE-associated placental dysfunction via APOE synthesis Bani Medegan Fagla; Cielo Dela Rosa; Savita Sundar; Aswathi Jayaram; Erykah Walton; Jason York; Leon M. Tai; Guomao Zhao; Irina A. Buhimschi</p> <p>University of Illinois at Chicago, College of Medicine, Chicago, IL</p>
3:30 PM	65	<p>Impact on Severe Maternal Morbidity following Statewide Improvements in Hypertensive Disorders of Pregnancy Care Processes Patrick Schneider¹; Allison Stevens²; Alyssa Antonini²; Michelle Menegay³; Allison Lorenz³; Stephen Afflito³; Rashelle Ghanem⁴; Ryan Everett⁵; Justin R. Lappen⁶</p> <p>¹The Ohio State University, Wexner Medical Center, Columbus, OH; ²Government Resources Center for the Ohio Colleges of Medicine, Columbus, OH; ³Ohio Colleges of Medicine, Government Resource Center, Columbus, OH; ⁴Ohio Department of Children and Youth, Columbus, OH; ⁵Ohio Hospital Association, Columbus, OH; ⁶Cleveland Clinic Foundation, Cleveland, OH</p>
3:45 PM	66	<p>Adverse outcomes during delivery hospitalizations among patients with an intellectual or developmental disability diagnosis Manasa G. Rao¹; Timothy Wen²; Mary E. D'Alton¹; Alexander M. Friedman³; Noelia Zork³</p> <p>¹Columbia University Medical Center, New York, NY; ²University of California, San Diego, Irvine, CA; ³Columbia University Irving Medical Center, New York, NY</p>
Friday, January 31, 2025 • 1:30 PM - 4:00 PM		
Time	Abstract	Oral Concurrent Session 6 - Prematurity and Newborn
1:30 PM	67	<p>Azithromycin to prevent stillbirths and infant deaths in Mali: A 2x2 factorial placebo-controlled randomized trial Karen Kotloff¹; Amanda J. Driscoll¹; Fadima Haidara²; Lawrence Moulton³; Jason Bailey¹; Ousmane Samake²; Tiecoura Bocoum²; Jane Juma²; Awa Traore²; Mamadou Diallo²; Collins Okello²; Uma Onwuchekwa²; Mamoudou Kodio²; Yuji Chen¹; Emily Deichsel¹; Matthew Finholt-Daniel⁴; Robert L. Goldenberg⁵; Fleesie Hubbard¹; Rebecca Maguire¹; Melissa Page⁴; David Plotner⁴; Milagritos Tapia¹; Dilruba Nasrin¹; Samba Sow²</p> <p>¹University of Maryland, School of Medicine, Baltimore, MD; ²Centre pour le Développement des Vaccins, Mali, Bamako, Bamako; ³Johns Hopkins, Bloomberg School of Public Health, Baltimore, MD; ⁴RTI International, Durham, NC; ⁵Columbia University School of Medicine, New York, NY</p>
1:45 PM	68	<p>The effect of metformin in women who received betamethasone on maternal hyperglycemia and neonatal hypoglycemia Enav Yefet¹; Manal Massalha²; Gil Talmon¹; Aminet Labay¹; Marian matanis¹; Erez Sleman¹; Rima nassra¹; Maya Frank Wolf³; Inshirah Sgayer⁴; Lior Lowenstein⁴; Zohar Nachum²</p> <p>¹Tzafon Medical Center, Poriya, HaZafon; ²Emak Medical Center, Afula, HaZafon; ³Galilee Medical Center, Nahariya, HaZafon; ⁴Galilee Medical center, Nahariya, HaZafon</p>

2:00 PM	69	<p>Fully Quantitative Cervical Remodeling: Race Group Differences Responsibilities and Cautions LeAnn A. Louis¹; Sarah M. Dwyer¹; Methodius G. Tuuli²; Adam K. Lewkowicz²; Julie Tumbarello¹; Emily Dively, BSN³; Madeline Felske¹; Wendy Sparks¹; Anita M. Malone¹; Peinan Zhao⁴; Molly J. Stout⁵</p> <p>¹University of Michigan Hospital, Ann Arbor, MI; ²Women & Infants Hospital of Rhode Island and Alpert Medical School of Brown University, Providence, RI; ³Washington University School of Medicine, St. Louis, MO; ⁴Washington University, St. Louis, MO; ⁵University of Michigan Medical Center, Ann Arbor, MI</p>
2:15 PM	70	<p>Neonatal outcomes after Cesarean versus vaginal birth: population-based cohort study of extremely preterm breech singletons Yanchen Wang¹; Pasqualina Santaguida¹; Sameer Parpia¹; Fabiana Bacchini²; Prakeshkumar S. Shah³; Kellie Murphy³; K. S. Joseph⁴; Sandesh Shivananda⁵; Sarah D. McDonald¹</p> <p>¹McMaster University, Hamilton, ON; ²Canadian Premature Babies Foundation, Toronto, ON; ³University of Toronto, Toronto, ON; ⁴School of Population and Public Health, University of British Columbia, Vancouver, BC; ⁵University of British Columbia, Vancouver, BC</p>
2:30 PM	71	<p>The role of cervical elastography for the prediction of spontaneous preterm birth Anne-Sophie Lafortune¹; Louise Ghesquiere²; Paul Guerby³; Marie-Laurence Côté¹; Genevieve Marcoux⁴; Annie Beaudoin⁴; Emmanuel Bujold¹</p> <p>¹Université Laval, PQ; ²Université de Lille, Lille, Nord-Pas-de-Calais; ³Université de Toulouse, Midi-Pyrenees; ⁴CHU de Québec, CHU de Québec, PQ</p>
2:45 PM	72	<p>Corticosteroids and Neonatal Hypoglycemia among Pregnant Individuals with Diabetes: Effect of Gestational Age at Delivery Ruby Lin; Cande V. Ananth; Todd J. Rosen</p> <p>On behalf of the MOMPOD Consortium Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ</p>
3:00 PM	73	<p>Pro-inflammatory vaginal cytokines, early PTB, and infectious morbidity in patients with asymptomatic cervical shortening Tracy A. Manuck</p> <p>On behalf of the Eunice Kennedy Shriver National Institute of Child Health and Human Development Maternal-Fetal Medicine Units (MFMU) Network University of North Carolina, Chapel Hill, NC</p>
3:15 PM	74	<p>Comparison of Polyester Fiber versus Polypropylene Suture Materials in Physical-Exam Indicated Transvaginal Cerclages Daniel J. Martingano¹; Amanda F. Francis Oladipo²; Marwah Al-Dulaimi³; Sandra Kumwong⁴; Andrea Ouyang⁵; Lauren Cue⁶; Ashley Nguyen³; Shailini Singh⁷; Alexander Ulfers⁸; Mark Rebolos³; Kristin Cohen⁹; Donald Morrish³; Iffath A. Hoskins¹⁰; Francis X. Martingano¹¹</p> <p>¹St. John's Episcopal Hospital-South Shore and William Carey University College of Osteopathic Medicine, Far Rockaway, NY; ²Hackensack University Medical Center, Hackensack, NJ; ³St. John's Episcopal Hospital-South Shore, Far Rockaway, NY; ⁴Touro College of Osteopathic Medicine-Harlem Campus, New York, NY; ⁵William Carey University, Hattiesburg, MS; ⁶Rutgers University and the Jersey City Medical Center, Jersey City, NJ; ⁷AtlantiCare Regional Medical Center, Pamona, NJ; ⁸Walter Reed National Military Medical Center, Bethesda, MD; ⁹RWJBarnabas Health - Trinitas Regional Medical Center, Elizabeth, NJ; ¹⁰Albert Einstein College of Medicine - Montefiore Medical Center, New York, NY; ¹¹NYU Grossman School of Medicine - NYU Brooklyn, New York, NY</p>

Friday, January 31, 2025 • 1:30 PM - 4:00 PM		
Time	Abstract	Oral Concurrent Session 6 - Prematurity and Newborn, continued
3:30 PM	75	<p>Antimuscarinic Receptor Blockade Reduces Uterine Muscle Contractions Potentially Providing A Novel Treatment For Preterm Labor Anthony G. Visco¹; Zachary Visco²; Chad Grotegut³; Cristina Linde⁴; Timothy Westfall⁴; Friederike Jayes⁵</p> <p>¹NinoMed, LLC, Chapel Hill, NC; ²University of North Carolina, Chapel Hill, NC; ³Wake Forest University, Wake Forest, NC; ⁴Reprocell, Beltsville, MD; ⁵Duke University, Durham, NC</p>
3:45 PM	76	<p>Vaginal microbiota as a predictor of preterm birth : a prospective cohort study Laura Lesimple¹; Jessica Rousseau Rousseau¹; Luce Landraud¹; Céline Plainvert¹; Nathalie Grall¹; Francois Goffinet²; Pierre-Yves Ancel¹; Christophe Pannetier³; Laurent Mandelbrot⁴; Asmaa Tazi¹</p> <p>¹Assistance Publique Hôpitaux de Paris, Paris, Ile-de-France; ²Université Paris Cité, Inserm, Centre for Research in Epidemiology and Statistics (CRESS), Obstetrical Perinatal and Pediatric Epidemiology Research Team (EPOPé), Paris, Ile-de-France; ³Assistance Publique Hôpitaux de Paris, Paris, Rhone-Alpes; ⁴Hôpital Louis Mourier, APHP, Université Paris Cité, Colombes, Ile-de-France</p>
Saturday, February 1, 2025 • 8:00 AM - 10:15 AM		
Time	Abstract	Oral Concurrent Session 7 - Diabetes
8:00 AM	77	<p>Does large for gestational age and/or polyhydramnios warrant rescreening for gestational diabetes mellitus? Henry Lesser; A. Dhanya Mackeen; David Chromey, II; Amanda J. Young; Celia Gray; Michael J. Paglia</p> <p>Geisinger Medical Center, Danville, PA</p>
8:15 AM	78	<p>Breastfeeding patterns among parturients with diabetes: A secondary analysis of the MOMPOD randomized clinical trial Minhazur R. Sarker¹; Marni B. Jacobs²; Kim Boggess³; Ashley N. Battarbee⁴; Gladys (Sandy) A. Ramos¹</p> <p>¹University of California, San Diego, San Diego, CA; ²University of California, San Diego Health, San Diego, CA; ³University of North Carolina, Chapel Hill, NC; ⁴Center for Women's Reproductive Health, University of Alabama at Birmingham, Birmingham, AL</p>
8:30 AM	79	<p>Predicting Future Diabetes: Impact of Abnormal Pregnancy OGTT Patterns Yael Winter Shafran¹; Tal Schiller²; Alena Kirzhner²; Edi Vaisbuch²</p> <p>¹Kaplan Medical Center and REALIFE Research Group, Rehovot, HaMerkaz; ²Kaplan Medical Center, Rehovot, HaMerkaz</p>
8:45 AM	80	<p>Effect of Breastfeeding on the Early Postpartum Lipid Profile in Women with Gestational Diabetes Mellitus Harumi Kanzawa¹; Hiroshi Yamashita¹; Ichiro Yasuhi²</p> <p>¹NHO Nagasaki Medical Center, Omura City, Nagasaki; ²NHO Nagasaki Medical Center, Omura-City, Nagasaki</p>
9:00 AM	81	<p>Rates of Risk Appropriate Postpartum Care within Six Months after Delivery Jennifer F. Culhane; Anna Denoble; Olivia Paoletti; Caitlin Partridge; Lisbet S. Lundsberg</p> <p>Yale School of Medicine, New Haven, CT</p>

Saturday, February 1, 2025 • 8:00 AM - 10:15 AM

Time Abstract Oral Concurrent Session 7 – Diabetes, continued

9:15 AM 82 **Metformin Use in Pregnancy Decreases Neonatal Fat Free Mass**
Claire E. Jensen¹; Ashley N. Battarbee²; Kim Boggess¹; Kjersti M. Aagaard³

On behalf of the MOMPOD Consortium
¹University of North Carolina, Chapel Hill, NC; ²Center for Women’s Reproductive Health, University of Alabama at Birmingham, Birmingham, AL; ³Boston Children’s Hospital, Division of Fetal Medicine and Surgery, Boston, MA; HCA Healthcare and HCA Healthcare Research Institute, Nashville, TN; HCA Texas Maternal Fetal Medicine, Houston, TX; Baylor College of Medicine and Texas Children’s Hospital, Houston, TX, Boston, MA

9:30 AM 83 **Interaction between Metformin and Baseline Insulin Requirements on Neonatal Outcomes in Pregnancies with Type-2 Diabetes**
Kevin S. Shrestha¹; Claire E. Jensen²; Kim Boggess²; Gladys (Sandy) A. Ramos³; Ashley N. Battarbee⁴

¹University of Alabama at Birmingham, Birmingham, AL; ²University of North Carolina, Chapel Hill, NC; ³University of California, San Diego, San Diego, CA; ⁴Center for Women’s Reproductive Health, University of Alabama at Birmingham, Birmingham, AL

9:45 AM 84 **The Placental Transcriptome in Pregnancies Complicated by A2 Gestational Diabetes Mellitus**
Morgan E. Wasickanin¹; Samantha Carson¹; Hillary Kinsman¹; Lydia Bettridge¹; Katherine E. Free¹; Jennifer Damicis¹; Emily Sheikh¹; Robert Walton¹; Peter Napolitano²; Nicholas Ieronimakis¹

¹Madigan Army Medical Center, Tacoma, WA; ²University of Washington, Seattle, WA

10:00 AM 85 **Childhood Sexual and Emotional Maltreatment are Associated with Increased Gestational Weight Gain**
NATALIE E. POLIEKTOV¹; Mariana Rocha¹; Kaitlyn Stanhope²; Lauren Holt¹; Alicia Smith¹; Vasiliki Michopoulos¹; Suchitra Chandrasekaran³

¹Emory University School of Medicine, Atlanta, GA; ²Rollins School of Public Health, Atlanta, GA; ³Emory University, Atlanta, GA

Saturday, February 1, 2025 • 10:15 AM – 10:30 AM

Time Abstract Late-Breaking Abstract Presentations Session 3

10:15 AM LB05 **Patient navigation to improve postpartum health care among low-income birthing people: a randomized controlled trial**
Lynn M. Yee¹; Joe M. Feinglass¹; Brittney R. Williams¹; Laura Diaz¹; Viridiana Carmona-Barrera¹; Ying Cheung¹; Ka'Derricka Davis¹; Chen Yeh¹; Charlotte M. Niznik¹; Michelle A. Kominiarek²; William A. Grobman³

¹Northwestern University Feinberg School of Medicine, Chicago, IL; ²Northwestern Feinberg School of Medicine, Northwestern Feinberg School of Medicine/ Chicago, IL; ³Women & Infants Hospital of Rhode Island / Alpert Medical School of Brown University, Brown University/Providence, RI

Saturday, February 1, 2025 • 8:00 AM - 10:15 AM

Time Abstract Oral Concurrent Session 8 - Fetus and Fetal Intervention

8:00 AM 86 **Innovative transcardiac access to the fetal cerebral and pelvic arteries for diagnosis and treatment**
Michael A. Belfort¹; Emma Van Den Eede²; Karen Chen³; Carolyn A Altman³; Timo Krings⁴; Peter T Kan⁵; Tomohiro Arai²; Wasinee Tianthong²; Walter Coudyzer⁶; Caitlin D. Sutton³; Samuel G G. McClugage, III³; William E Whitehead³; Magdalena Sanz Cortes¹; Larry H Hollier³; Jan A. Deprest²; Luc De Catte⁶; Luc Joyeux³; Thierry Huisman³

¹Texas Children’s Hospital and Baylor College of Medicine, Houston, TX; ²My FetUZ Fetal Research Center, University Hospital Leuven, Leuven, Vlaams-Brabant; ³Baylor College of Medicine and Texas Children’s Hospital, Houston, TX; ⁴University Health Network, ON; ⁵UTMB, Houston, TX; ⁶University Hospital Leuven, Leuven, Vlaams-Brabant

Time Abstract Oral Concurrent Session 8 - Fetus and Fetal Intervention, continued

8:15 AM	87	<p>Predicting Outcomes in Congenital Diaphragmatic Hernia with Discordant Fetal MRI and Ultrasound Prognostic Indices Lamia A. Alamri¹; Jason Gien¹; Payton Moody¹; Blair W. Weikel²; Mariana Meyers¹; Michael V. Zaretsky¹; Sarkis C. Derderian¹; Henry L. Galan³</p> <p>¹University of Colorado, School of Medicine, Aurora, CO; ²University of Colorado, School of Medicine and Colorado Fetal Care Center, Aurora, CO; ³University of Colorado, School of Medicine, Children's Hospital of Colorado, Aurora, CO</p>
8:30 AM	88	<p>Tracking twin growth from start to finish in 3D Jessica L. Gleason¹; Zhen Chen²; Rajeshwari Sundaram²; Kathryn A. Wagner³; Daniel He⁴; Wesley Lee⁵; Roger Newman⁶; Seth Sherman⁷; Edward Chien⁸; Robert Gore-Langton⁷; Luis F. Goncalves⁹; Katherine L. Grantz¹</p> <p>¹Epidemiology Branch, NICHD-NIH, Bethesda, MD; ²National Institute of Child Health and Human Development, Bethesda, MD; ³Massachusetts College of Pharmacy and Health Sciences, Boston, MA; ⁴The Prospective Group, Fairfax, VA; ⁵Baylor College of Medicine, Houston, TX; ⁶Medical University of South Carolina, Columbia, SC; ⁷The Emmes Company, Rockville, MD; ⁸Cleveland Clinic, Cleveland, OH; ⁹Phoenix Children's Hospital, Phoenix, AZ</p>
8:45 AM	89	<p>Proteomic analysis of monochorionic pregnancies with twin-to-twin transfusion syndrome and selective fetal growth restriction Jessian L. Munoz; Cara Buskmiller; Ahmed A. Nassr; Magdalena Sanz Cortes; Michael A. Belfort; Roopali V. Donepudi</p> <p>Texas Children's Hospital and Baylor College of Medicine, Houston, TX</p>
9:00 AM	90	<p>Chronotropic rescue prior to cord clamping in fetal complete AV Block and severe bradycardia Samantha Holmes¹; Emily Bucholz¹; Camila Londono-Obregon¹; Jason Gien¹; Nicholas Behrendt¹; Michael V. Zaretsky¹; Henry L. Galan²; Bettina Cuneo³</p> <p>¹University of Colorado, School of Medicine, Aurora, CO; ²University of Colorado, School of Medicine, Children's Hospital of Colorado, Aurora, CO; ³University of Arizona, Tucson, AZ</p>
9:15 AM	91	<p>Impact of a synthetic amniotic fluid upon fetal lung development Stephanie Finoti¹; Braxton Forde²; Samuel Martin³; Marc Oria¹; Jose L. Peiro⁴</p> <p>¹University of Cincinnati, Cincinnati, OH; ²University of Cincinnati College of Medicine, Cincinnati, OH; ³Cincinnati Children's Hospital Medical Center, Cincinnati, OH; ⁴Cincinnati Children's Fetal Care Center, Cincinnati, OH</p>

Time Abstract Oral Concurrent Session 8 - Fetus and Fetal Intervention, continued

9:30 AM 92 **Effect of very preterm delivery on outcomes following in-utero spina bifida repair**
Michael V. Zaretsky¹; Virginia Lijewski¹; Jagruti Anadkat²; Kelly A. Bennett³; Yair J. Blumenfeld⁴; Christopher Q. Buchanan⁵; Caitlin M. Clifford⁶; Timothy Crombleholme⁷; Samer Elbabaa⁸; Stephen P. Emery⁹; William H. Goodnight¹⁰; Hanmin Lee¹¹; Joseph B. Lillegard¹²; Foong-Yen Lim¹³; Francois Luks¹⁴; Jena L. Miller¹⁵; Ueli Moehrlen¹⁶; Julie Moldenhauer¹⁷; Anita J. Moon-Grady¹¹; Mauro Schenone¹⁸; Aimen F. Shaaban¹⁹; KuoJen Tsao²⁰; Tim Van Mieghem²¹; Amy J. Wagner²²

On behalf of the fMMC Consortium sponsored by NAFTNet

¹University of Colorado, School of Medicine, Aurora, CO; ²Washington University School of Medicine, St. Louis, MO; ³Vanderbilt University Medical Center, Nashville, TN; ⁴Children's Hospital at Stanford, Palo Alto, CA; ⁵St. Louis Fetal Care Institute, St. Louis, MO; ⁶University of Michigan Medical Center, Ann Arbor, MI; ⁷Connecticut Children's Fetal Care Center, Hartford, CT; ⁸Orlando Health Arnold Palmer Hospital for Children, Orlando, FL; ⁹University of Pittsburgh, Pittsburgh, PA; ¹⁰University of North Carolina at Chapel Hill, Chapel Hill, NC; ¹¹University of California, San Francisco, San Francisco, CA; ¹²Midwest Fetal Care Center, Minneapolis, MN; ¹³Cincinnati Children's Hospital, Cincinnati, OH; ¹⁴Fetal Treatment Program of New England, Providence, RI; ¹⁵Johns Hopkins Medicine, Baltimore, MD; ¹⁶Children's Hospital Zurich, Zurich; ¹⁷Children's Hospital of Philadelphia, Philadelphia, PA; ¹⁸Mayo Clinic, Rochester, MN; ¹⁹Chicago Institute for Fetal Health, Chicago, IL; ²⁰McGovern Medical School at the University of Texas Health Science Center at Houston (UTHealth) University of Texas Health Science Center, Houston, TX; ²¹Mount Sinai Hospital and University of Toronto, Toronto, ON; ²²Children's Hospital of Wisconsin Fetal Concerns Center, Milwaukee, WI

9:45 AM 93 **In-utero ventriculosubgaleal shunt placement - a fetal lamb model of induced hydrocephalus**
 Shohra Qaderi¹; Weston Northam¹; Soner Duru²; Eyal Krispin³; Cyril James⁴; Jose L. Peiro⁵; Braxton Forde⁶; Hamidreza Fouroutan⁷; Ramen H. Chmait⁸; Scott A. Shainker⁹; Cassandra R. Duffy⁹; Nikan Zargazadeh¹; Ali Javinani¹; Arthur Nedder¹⁰; Brittany Pattison¹⁰; Iana Vasung¹⁰; Ryne A. Didier¹⁰; Michaela K. Farber¹¹; Sebastian Seifert¹²; Darren B. Orbach¹⁰; P. Ellen Grant¹⁰; Benjamin C. Warf¹⁰; Yves Ville¹³; **Alireza A. Shamshirsaz**¹⁴

¹Boston Children's Hospital, Harvard Medical School, Boston, MA; ²Cincinnati Children's Hospital, Cincinnati, OH; ³Harvard Medical School, Boston, MA; ⁴Hôpital Necker-Enfants Malades, Paris, Ile-de-France; ⁵Cincinnati Children's Fetal Care Center, Cincinnati, OH; ⁶University of Cincinnati College of Medicine, Cincinnati, OH; ⁷Laparoscopy research center, Shiraz, Fars; ⁸Keck School of Medicine, University of Southern California, Los Angeles, CA; ⁹Beth Israel Deaconess Medical Center, Boston, MA; ¹⁰BCH, Boston, MA; ¹¹BWH, Boston, MA; ¹²Brigham & Women's Hospital, Boston, MA; ¹³University and Necker-Enfants Malades Hospital, Paris, Ile-de-France; ¹⁴Boston Children's Hospital, Brigham and Women's Hospital, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA

10:00 AM 94 **Role of placental superficial anastomoses in twin-twin transfusion syndrome (TTTS)**
Ramen H. Chmait¹; Lisa M. Korst²; Arlyn Llanes¹; Kristine R. Rallo¹; Andrew H. Chon³; Martha A. Monson⁴; Ruben A. Quintero⁵

¹Keck School of Medicine, University of Southern California, Los Angeles, CA; ²Childbirth Research Associates, North Hollywood, CA; ³Oregon Health & Science University, Portland, OR; ⁴Intermountain Healthcare, University of Utah Health, Salt Lake City, UT; ⁵The Fetal Institute, USFETUS Research Consortium, Miami, FL

Time Abstract Late-Breaking Abstract Presentations Session 4

10:15 AM LB06 **Comparing 162mg vs. 81mg Aspirin for Prevention of Preeclampsia (ASAPP): A Randomized Control Trial**
Amrin Khander¹; Kathy Matthews²; Charlene Thomas³; Paul Christos⁴; Stephen T. Chasen⁵; Daniel W. Skupski³; Laura E. Riley³; Phyllis August⁶; Line Malha³

¹Weill Cornell Medicine-New York Presbyterian Hospital, New York, NY, NY; ²New Jersey Perinatal Associates, Livingston, NJ; ³Weill Cornell Medicine, New York, NY; ⁴Weill Cornell Medical College, New York, NY; ⁵Weill-Cornell Medical College, New York, NY; ⁶New York Presbyterian Weill Cornell Medicine, New York, NY

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Time	Abstract	Oral Concurrent Session 9 - Medical Complications
8:00 AM	95	<p>Prevention Of Methamphetamine Use among Postpartum People (PROMPT): A Pilot Randomized Controlled Trial Marcela C. Smid¹; Jasmin E. Charles¹; Amanda A. Allshouse²; Stephanie Castro¹; Grace Humiston¹; Elysha Cash²; Adam G. Gordon²; Kristi Carlston¹; Marie Gibson¹; Gerald Cochran¹</p> <p>¹University of Utah Health, Salt Lake City, UT; ²University of Utah, Salt Lake City, UT</p>
8:15 AM	96	<p>Postpartum VTE risk by CHA2DS2-VASc score in patients with atrial fibrillation or flutter during pregnancy Virginia Y. Watkins¹; Miriam L. Estin²; Sarah C. Snow¹; Cary C. Ward¹; Marie-Louise Meng¹; Jerome J. Federspiel¹</p> <p>¹Duke University School of Medicine, Durham, NC; ²Duke university School of Medicine, Durham, NC</p>
8:30 AM	97	<p>A Technology Enabled Solution for Perinatal Mental Health Collaborative Care Models: A Randomized Controlled Trial Emily S. Miller¹; David Mohr²; Dinah Williams³; Melissa Shikany²; Tracy Walsh²; Nathan W. Winquist²; Zara Mir²; Elizabeth L. Gray²; Shannon R. Smith²; Charles Krause²; Lara M. Baez²; Madhu C. Reddy⁴</p> <p>¹Women & Infants Hospital of Rhode Island and Alpert Medical School of Brown University, Providence, RI; ²Northwestern University Feinberg School of Medicine, Chicago, IL; ³Women and Infants Hospital of Rhode Island, Providence, RI; ⁴University of California, Irvine, Irvine, CA</p>
8:45 AM	98	<p>Risk of severe maternal morbidity among pregnant people with colorectal cancer using a population database Shriddha Nayak¹; Kristin C. Darwin²; Arthur J. Vaught²; Marika Toscano¹</p> <p>¹Johns Hopkins University, School of Medicine, Baltimore, MD; ²Johns Hopkins University, Baltimore, MD</p>
9:00 AM	99	<p>Impact of breastfeeding on estimated risk of postpartum cardiovascular disease Christine P. Field¹; William A. Grobman¹; Jiqiang Wu¹; Anna Palatnik²; Mark B. Landon¹; Denise Scholtens³; William Lowe³; Nilay S. Shah⁴; Jami Josefson³; Sadiya S. Khan⁵; Kartik K. Venkatesh¹</p> <p>¹The Ohio State University, Columbus, OH; ²Medical College of Wisconsin, Milwaukee, WI; ³Northwestern University, Northwestern University/Chicago, IL; ⁴Northwestern University, Chicago, IL; ⁵Northwestern University Feinberg School of Medicine, Chicago, IL</p>
9:15 AM	100	<p>Intravenous Ferumoxytol versus Oral Ferrous Sulfate for Iron-Deficiency Anemia in Pregnancy: A Randomized Controlled Trial Iroque I. Igbiosa; Stephanie A. Leonard; Ijeoma Iweakogwu; Elizabeth B. Sherwin; Caroline Berube; Deirdre J. Lyell</p> <p>Stanford University, Palo Alto, CA</p>
9:30 AM	101	<p>Neurodevelopmental outcomes of 3-year-old children of mothers with SARS-CoV-2 infection in pregnancy Lydia L. Shook; Victor Castro; Laura Ibanez-Pintor; Roy H. Perlis; Andrea G. Edlow</p> <p>Massachusetts General Hospital, Boston, MA</p>
9:45 AM	102	<p>Maternal Gestational Weight Gain in GLP-1 Agonist Exposed and Unexposed Patients Nishita Pondugula¹; Jennifer F. Culhane¹; Lisbet S. Lundsberg¹; Caitlin Partridge¹; Audrey A. Merriam²</p> <p>¹Yale School of Medicine, New Haven, CT; ²Yale New Haven Hospital, New Haven, CT</p>

10:00 AM 103 **Placental Pathology Findings by Timing and Amount of Maternal Cannabis Exposure**
Shilpa S. Tummala¹; Amanda A. Allshouse²; Gwendolyn A. McMillin¹; Jessica M. Comstock²; Elizabeth S. Doughty²; Robert M. Silver²; Torri D. Metz²

¹University of Utah Health, Salt Lake City, UT; ²University of Utah, Salt Lake City, UT

10:15 AM 104 **The Impact of a Facilitated Postpartum-to-Primary Care Transition on Care Utilization within One Year Postpartum**
Arlin Delgado¹; Pichliya Liang¹; Tierra Bender¹; Kaitlyn E. James¹; Alaka Ray¹; Ishani Ganguli²; Jessica L. Cohen³; Mark A. Clapp¹

¹Massachusetts General Hospital, Boston, MA; ²Brigham and Women's Hospital, Boston, MA; ³Harvard T.H. Chan School of Public Health, Boston, MA