

THURSDAY, January 28, 2021 • 10:30 AM — 12:30 PM

Time	Abstract	Oral Plenary Session I
10:30 AM	1	<p>Tranexamic acid for the prevention of postpartum hemorrhage after cesarean delivery: the TRAAP2 trial Loïc Sentilhes¹; Marie-Victoire senat²; Maëla Le Lous³; Norbert Winer⁴; Patrick Rozenberg⁵; Gilles Kayem⁶; Eric Verspyck⁷; Florent Fuchs⁸; Elie AZRIA⁹; Denis Gallot¹⁰; Diane Korb¹¹; Raoul Desbriere¹²; Camille Le Ray¹³; Céline Chauleur¹⁴; Fanny De Marcellac¹⁵; Franck Perrotin¹⁶; Olivier Parant¹⁷; Laurent Salomon¹⁸; Emilie Gauchotte¹⁹; Florence Bretelle²⁰; Antoine Benard¹; Aurore Georget¹; Astrid Darsonval²¹; Catherine Deneux-Tharau²²</p> <p>¹Bordeaux University Hospital, Bordeaux, France; ²Kremlin Bicêtre, Ile-de-France, France; ³Rennes University Hospital, Rennes University Hospital, France; ⁴Nantes University Hospital, Pays de la Loire, France; ⁵Poissy Saint Germain Hospital, Poissy Saint Germain Hospital, France; ⁶Armand-Trousseau Hospital, Paris, France; ⁷Rouen University Hospital, Haute-Normandie, France; ⁸Montpellier University Hospital, Languedoc-Roussillon, France; ⁹INSERM UMR 1153, Obstetrical, Perinatal and Pediatric Epidemiology Research Team (Epopé), Centre for Epidemiology and Statistics Sorbonne Paris Cité, Paris Descartes University, Paris, France; ¹⁰Clermont-Ferrand University Hospital, Centre, France; ¹¹Robert Debré University Hospital, Paris; ¹²St Joseph Hospital Marseille, Provence-Alpes-Cote d'Azur, France; ¹³Port Royal Maternity Hospital, Ile-de-France, France; ¹⁴Saint Etienne University Hospital, Rhone-Alpes, France; ¹⁵Strasbourg University Hospital, Alsace, France; ¹⁶Tours University Hospital, Centre, France; ¹⁷Toulouse University Hospital, Languedoc-Roussillon, France; ¹⁸Necker University Hospital, Necker University Hospital, France; ¹⁹Nancy University Hospital, Lorraine, France; ²⁰Marseille University Hospital, Provence-Alpes-Cote d'Azur, France; ²¹Angers University Hospital, Angers, France; ²²INSERM U1153, INSERM U1153, France</p>
10:45 AM	2	<p>Pessary plus progesterone to prevent preterm birth in women with a short cervix (P5 trial) Rodolfo C. Pacagnella¹; Thaís Silva²; José Guilherme Cecatti²; Renato Passini-Jr³; Tatiana Fanton³; Anderson Borovac-Pinheiro³; Cynara Pereira³; Marcelo S. França⁴; Wentao Li⁵; Ben Mol⁵</p> <p>¹UNICAMP, Sao Paulo; ²UNICAMP, Sao Paulo, Brazil; ³Unicamp, Sao Paulo, Brazil; ⁴Federal University of Sao Paulo, Sao Paulo, Brazil; ⁵Monash University, Melbourne, Australia</p>
11:00 AM	3	<p>Prophylactic Manual Rotation of Persistent Occiput Posterior to decrease operative Delivery: a Multicentric Randomized Trial Julie Blanc¹; Pierre Castel²; Franck Mauviel³; Karine Baumstarck²; Florence Bretelle⁴; Jean-Baptiste Haumonté⁵; Claude D'Ercole²</p> <p>¹Department of Gynecology and Obstetrics, AP-HM Assistance Publique-Hôpitaux de Marseille, Health Service Research and Quality of Life Center, Aix-Marseille University, Marseille, France; ²Assistance Publique Hôpitaux de Marseille, Marseille, France; ³CH Sainte Musse Toulon, Toulon, France; ⁴Marseille University Hospital, Provence-Alpes-Cote d'Azur, France; ⁵Hôpital Saint Joseph, Marseille, France</p>
11:15 AM	4	<p>Placental Hofbauer Cells as a Proxy Cell Type for Fetal Brain Microglia Rose De Guzman¹; Rebecca Batorsky²; Sezen Kislal³; Sara Brigida³; Staci Bilbo³; Donna K. Slonim²; Andrea G. Edlow⁴</p> <p>¹Massachusetts General Hospital, Newton, MA; ²Tufts University, Boston, MA; ³Massachusetts General Hospital, Boston, MA; ⁴Massachusetts General Hospital, Department of Obstetrics and Gynecology, Boston, MA</p>
11:30 AM	5	<p>Perinatal and genetic outcomes associated with no call cfDNA results in 18,496 pregnancies Mary E. Norton¹; Cora MacPherson²; Bo Jacobsson³; Melissa Egbert⁴; Fergal D. Malone⁵; Ronald J. Wapner⁶; Ashley Roman⁷; Asma Khalil⁸; Revital Faro⁹; Rajeevi Madankumar¹⁰; Lance Edwards¹¹; Noel Strong¹²; Sina Haeri¹³; Robert M. Silver¹⁴; Nidhi Vohra¹⁵; Jon Hyett¹⁶; Kim Martin⁴; Pe'er Dar¹⁷</p> <p>¹University of California, San Francisco, San Francisco, CA; ²George Washington University, Rockville, MD; ³Sahlgrenska Academy, University of Gothenburg, Gothenburg, Sweden; ⁴Gothenburg, Gothenburg, Vastra Gotaland; ⁵Natera, Inc, San Carlos, CA; ⁶Royal College of Surgeons in Ireland, Dublin, Ireland, Dublin, Ireland; ⁷Columbia University Irving Medical Center, New York, NY; ⁸NYU Langone Health, New York, NY; ⁹St George's Hospital University of London, London, England; ¹⁰St Peters Hospital, New Brunswick, NJ; ¹¹Long Island Jewish Medical Center, Jericho, NY; ¹²Suffolk Obstetrics & Gynecology, Port Jefferson, NY; ¹³Icahn School of Medicine at Mount Sinai, New York, NY; ¹⁴Austin Maternal Fetal Medicine, Dallas, TX; ¹⁵University of Utah Health, Salt Lake City, UT; ¹⁶Northwell Northshore Medical Center, Syosset, NY; ¹⁷Royal Prince Alfred Hospital, New South Wales, Australia; ¹⁸Montefiore Medical Center, Albert Einstein College of Medicine, Bronx, NY</p>
11:45 AM	6	<p>High-dose versus standard-dose oxytocin regimens to augment labor in nulliparas: a double-blind randomized clinical trial Moeun Son¹; Archana Roy²; Bethany T. Stetson³; Nancy Tunney Grady⁴; Mary Clare Vanecko⁴; Nicole Bond⁴; Kate Swanson⁵; Emily S. Miller²; Alan M. Peaceman⁶</p> <p>¹Yale University School of Medicine, New Haven, CT; ²Northwestern University, Chicago, IL; ³Northwestern Memorial, Chicago, IL; ⁴Northwestern Memorial Hospital, Chicago, IL; ⁵University of California, San Francisco, San Francisco, CA; ⁶Northwestern University Feinberg School of Medicine, Chicago, IL</p>
12:00 PM	7	<p>Oral azithromycin ± amoxicillin to prevent peripartum infection in laboring high-risk women: A 3-Arm RCT Akila Subramaniam¹; Ye Yuanfan¹; Rahel Mbah²; Jodie Dionne-Odom¹; Lorie M. Harper³; Waldemar Carlo⁴; Gregory Halle-Ekane⁴; Jeff M. Szychowski¹; Pius Tih²; Alan Tita⁵</p> <p>¹Center for Women's Reproductive Health, University of Alabama at Birmingham, Birmingham, AL; ²Cameroon Baptist Convention Health Services, Nord-Ouest, Cameroon; ³University of Texas at Austin, Dell Medical School, Austin, TX; ⁴University of Buea, Cameroon, Africa, Sud-Ouest, Cameroon; ⁵University of Alabama at Birmingham, Birmingham, AL</p>
12:15 PM	8	<p>Augmenting/Replacing Obstetric Comorbidity Index with Labor & Delivery Features Improves Prediction of Severe Maternal Morbidity Matthew Oberhardt¹; Desmond Sutton²; Corrina M. Oxford-Horrey³; Malavika Prabhu⁴; Jean Ju Sheen⁵; Laura E. Riley³; Mary E. D'Alton²; Dena Goffman⁶</p> <p>¹NewYork-Presbyterian, Analytics, New York, NY; ²Columbia University Irving Medical Center, New York, NY; ³Weill Cornell Medicine, New York, NY; ⁴Weill Cornell Medicine, Department of Obstetrics and Gynecology, New York, NY; ⁵New York Presbyterian Hospital/Columbia University Medical Center, Northvale, NJ; ⁶Columbia University Irving Medical Center/NewYork-Presbyterian, New York, NY</p>

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THURSDAY, January 28, 2021 • 4:00 PM — 6:15 PM

Time Abstract Oral Concurrent Session 1 - Preterm Birth

4:00 PM	9	<p>Low dose aspirin for the prevention of recurrent preterm labor (APRIL): a randomized controlled trial Anadeijda Landman¹; Marjon de Boer¹; Laura Visser¹; Marieke Hemels²; Christiana Naaktgeboren³; Martine Jansen-van der Weide³; Ben Mol⁴; Judith van Laar⁵; Dimitri Papatsonis⁶; Mireille Bekker⁷; Joris van Drongelen⁸; Maria van Pampus⁹; Marieke Sueters¹⁰; David van der Ham¹¹; Marko Sikkema¹²; Joost Zwart¹³; Anjoke Huisjes¹⁴; Marloes van Huizen¹⁵; Gunilla Kleiverda¹⁶; Janine Boon¹⁷; Maureen Franssen¹⁸; Wietske Hermes¹⁹; Harry Visser²⁰; Christianne J. de Groot²¹; Martijn A. Oudijk²²</p> <p>¹Amsterdam UMC - location VUmc, Amsterdam, Netherlands; ²Isala, Zwolle, Netherlands; ³Amsterdam UMC - location AMC, Amsterdam, Netherlands; ⁴Monash University, Melbourne, Victoria; ⁵Máxima Medisch Centrum, Veldhoven, Netherlands; ⁶Amphia Hospital, Breda, Netherlands; ⁷UMC Utrecht, Utrecht, Netherlands; ⁸Radboud University Nijmegen Medical Centre, Nijmegen, Netherlands; ⁹OLVG Oost, Amsterdam, Netherlands; ¹⁰Leiden University Medical Center, Leiden, Netherlands; ¹¹Martini Hospital, Groningen, Netherlands; ¹²Ziekenhuisgroep Twente - location Almelo, Almelo, Netherlands; ¹³Deventer Hospital, Deventer, Netherlands; ¹⁴Gelre ziekenhuizen Apeldoorn, Apeldoorn, Netherlands; ¹⁵Haga Hospital, Den Haag, Netherlands; ¹⁶FlevoHospital Almere, Almere, Netherlands; ¹⁷Diakonessenhuis Utrecht, Utrecht, Netherlands; ¹⁸University Medical Center Groningen, Groningen, Netherlands; ¹⁹Haaglanden Medical Centre, Den Haag, Netherlands; ²⁰Tergooi Hospital, Noord-Holland, Netherlands; ²¹Department of Obstetrics & Gynecology, Amsterdam UMC, location VUmc, Amsterdam, The Netherlands; ²²Amsterdam UMC, location AMC, Amsterdam, The Netherlands</p>
4:15 PM	10	<p>A randomized trial of 17-hydroxyprogesterone caproate to prevent preterm birth among women living with HIV Joan T. Price¹; Bellington Vwalika²; Bethany L. Freeman¹; Pooja T. Saha³; Stephen R. Cole¹; Felistas Mbewe³; Winifreda M. Phiri³; Marc Peterson¹; Dorothy Muyangwa³; Ntazana Sindano³; Humphrey Mwape³; Megan E. Smithmyer¹; Margaret P. Kasaro³; Lynne M. Mofenson⁴; Dwight J. Rouse⁵; Robert L. Goldenberg⁶; Elwyn Chomba⁷; Jeffrey Stringer⁸</p> <p>¹University of North Carolina at Chapel Hill, Chapel Hill, NC; ²University of Zambia School of Medicine, Lusaka, Zambia; ³UNC Global Projects Zambia, Lusaka, Zambia; ⁴Eunice Kennedy Shriver National Institute of Child Health and Human Development, Bethesda, MD; ⁵Women & Infants Hospital of Rhode Island, Alpert Medical School of Brown University; ⁶Columbia University Medical Center, New York, NY; ⁷University of Zambia School of Medicine, Lusaka, Zambia; ⁸University of North Carolina, Chapel Hill, NC</p>
4:30 PM	11	<p>Impact of the coronavirus pandemic lockdown on obstetric outcomes Daniel L. Rolnik¹; Alexia Matheson²; Claire McGannon¹; Atul Malhotra¹; Kirsten Palmer¹; Alice Stewart²; Euan Wallace¹; Ryan J. Hodges²; Ben Mol¹</p> <p>¹Monash University, Melbourne, Australia; ²Monash Health, Melbourne, Australia</p>
4:45 PM	12	<p>Observations from an inner city hospital during COVID-19: preterm birth rate and mode of delivery Kristina M. Feldman¹; Shobha Jagannatham²; Farrah N. Hussain²; Tirtza Spiegel Strauss²; Zainab Al-Ibraheemi²; Graham Ashmead²; Lois Brustman²</p> <p>¹Icahn School of Medicine at Mount Sinai West, New York, NY; ²Mount Sinai West, Icahn School of Medicine at Mount Sinai, New York, NY</p>
5:00 PM	13	<p>Development of an Ascending Model of Infection and Preterm Birth Nicholas Spencer; Enkhtuya Radnaa; Ananth Kumar Kammala; Talar Kechichian; Ourlad G. Tantengco; Ramkumar Menon</p> <p>University of Texas Medical Branch, Galveston, TX</p>
5:15 PM	14	<p>Living in an area with high social vulnerability during pregnancy is associated with preterm birth Matthew B. Givens¹; E. Nicole Teal²; Tracy A. Manuck³</p> <p>¹UNC Health Care, Durham, NC; ²University of North Carolina at Chapel Hill, Chapel Hill, NC; ³University of North Carolina, Chapel Hill, NC</p>
5:30 PM	15	<p>Long-term development of children born to women with twin pregnancies treated with pessary or progesterone Van T.T. Tran¹; Nghia A. Nguyen²; Nam T. Nguyen³; Thu T.M. Vo⁴; Truong S. Uong⁴; Hau T. Nguyen⁵; Ngan T. Nguyen⁵; Loc M.T. Nguyen⁶; Minh H.N. Nguyen⁸; Linh K. Nguyen⁷; Lan N. Vuong⁸; Ben Mol⁹; Vinh Q. Dang³</p> <p>¹Department of Obstetrics and Gynecology, My Duc Hospital, Ho Chi Minh; ²Department of Pediatrics, University of Medicine and Pharmacy at Ho Chi Minh city, Ho Chi Minh, Vietnam; ³Department of Obstetrics and Gynecology, My Duc Hospital, Ho Chi Minh, Vietnam; ⁴Department of Pediatrics, My Duc Phu Nhuan Hospital, Ho Chi Minh, Vietnam; ⁵Department of Pediatrics, My Duc Hospital, Ho Chi Minh, Vietnam; ⁶HOPE Research Center, Ho Chi Minh, Vietnam; ⁷Department of Obstetrics and Gynecology, My Duc Phu Nhuan Hospital, Ho Chi Minh, Vietnam; ⁸Department of Obstetrics and Gynecology, University of Medicine and Pharmacy at Ho Chi Minh City, Ho Chi Minh, Vietnam; ⁹Monash University, Melbourne, Victoria</p>
5:45 PM	16	<p>Survival without severe neonatal morbidity in very preterm twins according to planned mode of delivery Diane Korb¹; Francois goffinet²; Loïc Sentilhes³; Gilles Kayem⁴; Marie-Victoire senat⁵; Elie AZRIA⁶; Thomas SCHMITZ⁷</p> <p>¹Robert Debré University Hospital, Paris; ²Inserm UMR 1153, Obstetrical, Perinatal and Pediatric Epidemiology Research Team (EPOPé), Research Center for Epidemiology and BioStatistics Sorbonne Paris Cité (CRESS), Paris Descartes University, Paris, France; ³Maternité Port-Royal, University Paris-Descartes, DHU Risk in Pregnancy, Hôpitaux Universitaires Paris Centre, Assistance Publique-Hôpitaux de Paris, Paris, France; ⁴Bordeaux University Hospital, Bordeaux, France; ⁵Armand-Trousseau Hospital, Paris, France; ⁶Kremlin Bicêtre, Ile-de-France, France; ⁷INSERM UMR 1153, Obstetrical, Perinatal and Pediatric Epidemiology Research Team (Epopé), Centre for Epidemiology and Statistics Sorbonne Paris Cité, Paris Descartes University, Paris, France; ⁸Department of Obstetrics and Gynecology, Hôpital Robert Debré, AP-HP, Université Paris Diderot, Paris, France</p>
6:00 PM	17	<p>Neonatal outcomes in multiple gestations exposed to late preterm steroids Eileen O'Connor¹; Mallory Hoffman²; Michael Marcotte¹; Megan Thomas¹; Michael Holbert¹</p> <p>¹TriHealth, Cincinnati, OH; ²Tristate Maternal Fetal Medicine, Cincinnati, OH</p>

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Time	Abstract	Oral Concurrent Session 2 - Health Equity and Disparities
4:00 PM	18	Neighborhood Police Complaints Associated with Increased Preterm Delivery Among Black Individuals Alexa A. Freedman ¹ ; Ann Borders ² ; Britney P. Smart ¹ ; Lauren S. Keenan-Devlin ¹ ; Linda M. Ernst ¹ ; Andrew Franklin ¹ ; Margaret Butler ³ ; Ashish Premkumar ⁴ ; Kiarri N. Kershaw ⁵ ; Andrew V. Papachristos ³ ; Gregory E. Miller ³ ¹ NorthShore University HealthSystem, Evanston, IL; ² NorthShore University HealthSystem, Evanston Hospital, Evanston, IL; ³ Northwestern University, Evanston, IL; ⁴ Northwestern University, Chicago, IL; ⁵ Northwestern University Feinberg School of Medicine, Chicago, IL
4:15 PM	19	Social determinants of health in preterm birth of non-Hispanic black women Meredith B. Meyer ¹ ; Sarah J. Kopp ¹ ; Emily DeFranco ² ; Elizabeth Kelly ³ ¹ Department of Obstetrics and Gynecology, University of Cincinnati College of Medicine, Cincinnati, OH; ² University of Cincinnati Department of Obstetrics and Gynecology, Cincinnati, OH; ³ The University of Cincinnati Department of Obstetrics and Gynecology, Cincinnati, OH
4:30 PM	20	Examining the effect of quality initiatives on decreasing racial disparities in maternal morbidity Christina Davidson ¹ ; Stacie Denning ² ; Candace Cains ² ; Michael A. Belfort ² ; Manisha Gandhi ¹ ¹ Baylor College of Medicine, Houston, TX; ² Texas Children's Hospital, Houston, TX; ³ Department of Obstetrics and Gynecology, Baylor College of Medicine/Texas Children's Hospital, Houston, TX
4:45 PM	21	Services and safety-net burden of Black-serving hospitals and related Severe Maternal Morbidity Samsiya Ona ¹ ; Yongmei Huang ² ; Cande V. Ananth ³ ; Cynthia Gyamfi-Bannerman ² ; Timothy Wen ⁴ ; Jason D. Wright ² ; Mary E. D'Alton ² ; Alexander M. Friedman ² ¹ Columbia University Irving Medical Center, Bronx, NY; ² Columbia University Irving Medical Center, New York, NY; ³ Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ; ⁴ University of California, San Francisco, San Francisco, CA
5:00 PM	22	Communication and Linguistic Barriers and Perinatal Outcomes Amongst Women with and without Diabetes Jhenette R. Lauder ¹ ; Michelle P. Debbink ¹ ; Amanda A. Allshouse ¹ ; Lauren Theilen ¹ ; David M. Haas ² ; Hyagriv Simhan ³ ; William A. Grobman ⁴ ; Lynn M. Yee ⁴ ; Judith H. Chung ⁵ ; Brian M. Mercer ⁶ ; George R. Saade ⁷ ; Ronald J. Wapner ⁸ ; Uma M. Reddy ⁹ ; Robert M. Silver ¹ ¹ University of Utah Health, Salt Lake City, UT; ² Indiana University, Indianapolis, Indiana, Indianapolis, IN; ³ University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania, Pittsburgh, PA; ⁴ Northwestern University Feinberg School of Medicine, Chicago, IL; ⁵ University of California, Irvine, Orange, CA; ⁶ CWRU-MetroHealth Medical Center, Cleveland, OH; ⁷ University of Texas Medical Branch, Galveston, TX; ⁸ Columbia University Irving Medical Center, New York, NY; ⁹ Yale University School of Medicine, New Haven, CT
5:15 PM	23	Race Matters: Maternal Morbidity in the Military Health System Jameaka L. Hamilton ¹ ; Diane Shumbusho ¹ ; Devin Cooper ² ; Larissa Weir ³ ; Erin Keyser ¹ ¹ SAUSHEC, SAUSHEC, TX; ² Tsehootsooi Medical Center, Fort Defiance, AZ; ³ SAUSHEC/Brooke Army Medical Center, SAUSHEC, TX
5:30 PM	24	Maternal Psychosocial Factors associated with Postpartum Pain Nevert Badreldin ; William A. Grobman; Lynn M. Yee Northwestern University Feinberg School of Medicine, Chicago, IL
5:45 PM	25	The surprising paradox: higher education increases the racial/ethnic disparity in cesarean delivery rates Yael Eliner ¹ ; Frank Chervenak ² ; Moti Gulersen ³ ; Amos Grunebaum ² ; Erez Lenchner ⁴ ; Adi Katz ² ; Liron Bar-El ² ; Eran Bornstein ⁵ ¹ Boston University, School of Public Health, Somerville, MA; ² Zucker School of Medicine at Hofstra/Northwell, Department of OBGYN, Lenox Hill Hospital, New York, NY; ³ Zucker School of Medicine at Hofstra/Northwell, Department of OBGYN, North Shore University Hospital, New York, NY; ⁴ CUNY John Jay College, AP for Institutional Effectiveness, CUNY John Jay College, NY; ⁵ Zucker School of Medicine at Hofstra/Northwell, New York, NY
6:00 PM	26	Racial disparities in post-operative pain experience and treatment following cesarean birth John Poehlmann ¹ ; Tiffany Green ² ; Aimee T. Broman ³ ; Amy Godecker ⁴ ; Kathleen M. Antony ¹ ¹ University of Wisconsin, Madison, WI; ² University of Wisconsin - Madison, Madison, WI; ³ University of Wisconsin, Department of Biostatistics and Medical Informatics, Madison, WI; ⁴ University of Wisconsin Hospitals and Clinics, Madison, WI

THURSDAY, January 28, 2021 • 4:00 PM — 6:15 PM

Time	Abstract	Oral Concurrent Session 3 - Hypertension and Diabetes
4:00 PM	27	Metformin to treat Preterm Pre-eclampsia (PI-2): A randomised, double blind, placebo-controlled trial Catherine Anne Cluver ¹ ; Richard Hiscock ² ; Eric H. Decloedt ³ ; David R. Hall ³ ; Sonja Schell ³ ; Ben Mol ⁴ ; Fiona Brownfoot ⁵ ; Tu'uhevaha Kaiti'u-Lino ⁶ ; Susan Walker ⁷ ; Stephen Tong ⁸ ¹ Stellenbosch University, Cape Town, Western Cape; ² Mercy Perinatal, University of Melbourne, Australia; ³ Stellenbosch University, Western Cape, South Africa; ⁴ Monash University, Melbourne, Victoria; ⁵ Mercy Perinatal, Melbourne, Australia; ⁶ Mercy Perinatal, University of Melbourne, Melbourne, Australia; ⁷ Mercy Hospital for Women, University of Melbourne, Melbourne, Australia; ⁸ University of Melbourne, Melbourne, Australia
4:15 PM	28	Women with prior preeclampsia have higher rates of hypertension and persistent T helper-associated inflammation Sabrina Scroggins ¹ ; Gabrielle Gray ¹ ; Cassandra Berkey ² ; Robin E. Gandley ² ; Elizabeth F. Sutton ² ; Mary Gemmel ² ; Debra Brandt ¹ ; Donna Santillan ¹ ; Amy K. Stroud ¹ ; Virginia Nuckols ¹ ; Gary L. Pierce ¹ ; Carl A. Hubel ² ; Janet Catov ³ ; Mark Santillan ¹ ¹ University of Iowa, Iowa City, IA; ² Magee Women's Research Institute & Foundation, Pittsburgh, PA; ³ University of Pittsburgh, Pittsburgh, PA

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Time	Abstract	Oral Concurrent Session 3 - Hypertension and Diabetes
4:30 PM	29	Detemir versus Insulin Neutral Protamine Hagedorn for Diabetes Mellitus: A Comparative-Effectiveness, Randomized Controlled Trial Michal Fishel Bartal ¹ ; Clara Ward ¹ ; Sean C. Blackwell ² ; Joycelyn A. Cornthwaite, RD, CDE ¹ ; Caroline C. Zhang ³ ; Jerrie Refuerzo ³ ; Claudia Pedroza ⁴ ; Kyung Hyun Lee ⁵ ; Suneet P. Chauhan ¹ ; Baha M. Sibai ¹ ¹ Department of Obstetrics, Gynecology and Reproductive Sciences McGovern Medical School at The University of Texas Health Science Center at Houston (UTHealth), Houston, TX; ² UT Health McGovern Medical School at Houston, Houston, TX; ³ McGovern Medical School at The University of Texas Health Science Center at Houston (UTHealth), Houston, TX; ⁴ McGovern Medical School, University of Texas Health Science Center at Houston, Houston, TX; ⁵ Center for Clinical Research and Evidence-Based Medicine, McGovern Medical School at The University of Texas Health Science Center at Houston, Houston, TX
4:45 PM	30	Viral and bacterial signatures impair trophoblast migration which is reversed by aspirin, aspirin-triggered-lipoxin and hydroxychloroquine. Daisy Leon-Martinez ¹ ; Vikki M. Abrahams ² ¹ Yale University School of Medicine, Milford, CT; ² Yale University School of Medicine, New Haven, CT
5:00 PM	31	Does Vitamin D Prophylaxis decrease the incidence of hypertensive disorders of pregnancy? Malini D. Persad ¹ ; Cara Staszewski ² ; Farzana Khan ³ ; Adeola F. Adeyeye ⁴ ; Brynn Franz ⁵ ; Victoria Ly ⁶ ; Marilyn Day ⁷ ; Elizabeth Varghese ⁷ ; Persad Shridevi ⁸ ; Tiffany Huettmann ⁷ ; Cynthia Kaplan ⁷ ; Tatyana Perseleni ⁷ ; Kimberly Herrera ³ ; David Garry ⁹ ; Diana Garretto ⁷ ¹ Penn State Health Milton S. Hershey Medical Center, Hershey, PA; ² Northwell Health, Nassau County, NY; ³ New York University, New York, NY; ⁴ UConn School of Medicine, West Hartford, CT; ⁵ University of South Carolina, Greenville, SC; ⁶ University of Rochester, Rochester, NY; ⁷ Stony Brook Medicine, Stony Brook, NY; ⁸ Long Island Jewish Medical Center, Jericho, NY; ⁹ Renaissance School of Medicine at Stony Brook University, Stony Brook, NY
5:15 PM	32	COVID-19 and new hypertensive disease in pregnancy Nigel Madden ¹ ; Ukachi Emeruwa ¹ ; Melanie Polin ¹ ; Shai Bejerano ² ; Cynthia Gyamfi-Bannerman ² ; Whitney A. Booker ² ¹ New York Presbyterian Hospital - Columbia University Irving Medical Center, New York, NY; ² Columbia University Irving Medical Center, New York, NY
5:30 PM	33	Improving Treatment for Hypertensive Emergencies among Pregnant and Postpartum Women Using a Hypertensive Pathway Intervention Nguyen Thao T. Nguyen ¹ ; Kelli Kurtovic ² ; Marie Evangelista ² ; Courtney Mitchell ² ; Rhiann Del Valle ² ; Sarah McWay Boling ² ; Brenna L. Hughes ² ¹ Duke University School of Medicine, Durham, NC; ² Duke University Medical Center, Durham, NC
5:45 PM	34	Long term effects of pregnancy on cardiovascular function: serial echocardiograms in non-hypertensive and hypertensive mice Corey Clifford ¹ ; Lidia Di Cerbo ² ; Alexis Poffenbarger ³ ; Ahmed Hamed ³ ; Baha M. Sibai ¹ ; Monica Longo ⁴ ¹ Department of Obstetrics, Gynecology and Reproductive Sciences McGovern Medical School at The University of Texas Health Science Center at Houston (UTHealth), Houston, TX; ² University of Modena and Reggio Emilia, Modena, Italy; ³ McGovern Medical School at the University of Texas Health Science Center at Houston (UTHealth), Houston, TX; ⁴ McGovern Medical School at The University of Texas Health Science Center at Houston (UTHealth), Houston, TX
6:00 PM	35	Additive risk of chronic hypertension in women with pregestational diabetes Benjamin Muller ; Brittany Austin; Nathan Gilreath; Ryan Cuff; Barbara Head; Eugene Chang; Jeffrey Korte; Matthew M. Finneran Medical University of South Carolina, Charleston, SC

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Time	Abstract	Oral Plenary Session 2 — Fellows Plenary
10:30 AM	36	Racially inequitable definitions of anemia perpetuate disparities in maternal outcomes: time to change Rebecca F. Hamm ; Eileen Y. Wang; Lisa D. Levine; Sindhu K. Srinivas Maternal and Child Health Research Center, Department of Obstetrics & Gynecology, University of Pennsylvania Perelman School of Medicine, Philadelphia, PA
10:45 AM	37	The shadow of social determinants: Geographic obstetric disparities predict regional COVID-19 burden Ponnilla S. Marinescu ¹ ; Courtney Olson-Chen ¹ ; J. Christopher Glantz ¹ ; Elaine L. Hill ² ; Stefanie J. Hollenbach ¹ ¹ University of Rochester Medical Center, Rochester, NY; ² University of Rochester, Rochester, NY
11:00 AM	38	Daily vs. Intermittent Iron Therapy in Moderate Iron Deficient Pregnant Patients: A Randomized Non-inferiority Trial Raminder K. Khangura ¹ ; Suzy Torti ² ; Lia Tesfay ² ; Frank Torti ² ; ChiaLing Kuo ² ; Erica Hammer ³ ; Stephanie Bakaysa ⁴ ; Winston Campbell ⁵ ¹ Henry Ford Health System, Detroit, MI; ² University of Connecticut, Farmington, CT; ³ Hartford Hospital, Hartford, CT; ⁴ Hartford Healthcare, Hartford, CT; ⁵ UConn Health, University of Connecticut School of Medicine, Farmington, CT
11:15 AM	39	Influenza in pregnancy and severe maternal morbidity in the United States, 2000-2015 Timothy Wen ¹ ; Brittany Arditi ² ; Laura E. Riley ³ ; Mary E. D'Alton ² ; Alexander M. Friedman ² ; Kartik K. Venkatesh ⁴ ¹ University of California, San Francisco, San Francisco, CA; ² Columbia University Irving Medical Center, New York, NY; ³ Weill Cornell Medicine, New York, NY; ⁴ The Ohio State University, Columbus, OH
11:30 AM	40	Assessing the association between BMI and blood pressures measured at alternative locations in obstetric patients Michelle Lende ; Paul Feustel; Ruba Alaffir; Tara Lynch Albany Medical Center, Albany, NY
11:45 AM	41	In Vitro Human Myometrial Contractility in Pregnancies Complicated with Obesity Hiba Mustafa ; Weston Upchurch; Rachel Vogel; Paul Iaizzo; Kate Neitzke; Lisa Gill University of Minnesota, Minneapolis, MN

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Time Abstract Oral Plenary Session 2 — Fellows Plenary

12:00 PM	42	Sleep-Disordered Breathing in Pregnancy and its Effect on Endothelial and Metabolic Dysfunction Mitchell Onslow ¹ ; Jennifer Wolsk ² ; Stephen Wisniewski ² ; Francesca Facco ¹ ¹ Magee-Womens Hospital, Pittsburgh, PA; ² University of Pittsburgh, Pittsburgh, PA
12:15 PM	43	Adding fetal surgery to general anesthesia does not impair brain development in the rabbit model Lennart Van der Veecken ¹ ; Doaa Emam ² ; Tom Bleaser ³ ; Ignacio J. Valenzuela ³ ; Steffen Rex ³ ; Jan Depre ¹ ¹ Department of Development and Regeneration, Cluster Woman and Child, Biomedical Sciences, KU Leuven, Leuven, Belgium; ² Department Obstetrics and Gynaecology, University Hospitals Tanta, Tanta, Egypt / KU Leuven, Leuven, Belgium; ³ KU Leuven, Leuven, Belgium

FRIDAY, January 29, 2021 • 3:30 PM — 5:45 PM

Time Abstract Oral Concurrent Session 4 — Labor

3:30 PM	44	Six vs. Twelve Hours of Foley Catheter Placement for Induction: A Randomized Controlled Trial Sarah C. Lassey ¹ ; Hilary Haber ¹ ; Alexa N. Kanbergs ² ; Julian N. Robinson ³ ; Sarah E. Little ³ ¹ Brigham and Women's Hospital, Harvard Medical School, Boston, MA; ² Massachusetts General Hospital, Brookline, MA; ³ Brigham and Women's Hospital, Boston, MA
3:45 PM	45	Physical activity in pregnancy: Predictive of labor outcomes? Virginia Y. Watkins ¹ ; Carly O'Donnell ² ; Marta Perez ² ; Peinan Zhao ² ; Sarah K. England ² ; Nandini Raghuraman ² ¹ Barnes-Jewish Hospital, Brentwood, MO; ² Washington University in St. Louis, St. Louis, MO
4:00 PM	46	Length of labor and severe maternal morbidity in the NTSV population Benjamin J. Lengerich ¹ ; Rich Caruana ² ; William B. Weeks ³ ; Ian Painter ⁴ ; Sydney Spencer ³ ; Kristin Sitcov ⁴ ; Colleen Daly ⁵ ; Vivienne Souter ⁴ ¹ Carnegie Mellon University, Pittsburgh, PA; ² Microsoft Research, Redmond, WA; ³ Microsoft Corporation, Redmond, WA; ⁴ Foundation for Health Care Quality, Seattle, WA; ⁵ Microsoft HR, Redmond, WA
4:15 PM	47	A Double-Blinded Randomized Controlled Trial on Increased Intravenous Hydration in Nulliparous Women Undergoing Labor Induction Jennifer Duffy ¹ ; Erica Wu ² ; Alex Fong ³ ; Thomas J. Garite ⁴ ; Vineet Shrivastava ⁵ ¹ University of California, Irvine, Orange, CA; ² Stanford University Medical Center, Stanford, CA; ³ Kaiser Permanente Woman's Health Services, Orange County, Irvine, CA; ⁴ University of California Irvine Department of Obstetrics and Gynecology, Grand Junction, CO; ⁵ Long Beach Memorial Medical Center Women's Hospital, Long Beach, CA
4:30 PM	48	Buccal Versus Vaginal Misoprostol Combined with a Foley Catheter (BEGIN Trial): A Randomized Controlled Trial Helen B. Gomez ; Matthew Hoffman; Richard Caplan; Matthew H. Young; Kelly Ruhstaller; Anthony Sciscione Christiana Care Health System, Newark, DE
4:45 PM	50	The Role of pCO₂ in Umbilical Artery Gas Analysis: Predictive of Neonatal Morbidity? Drew M. Hensel ¹ ; Leilah Zahedi-Spung ¹ ; Nandini Raghuraman ¹ ; Ebony B. Carter ¹ ; Alison G. Cahill ² ; Joshua Rosenbloom ³ ¹ Washington University in St. Louis, St. Louis, MO; ² The University of Texas at Austin, Dell Medical School, Austin, TX; ³ Washington University School of Medicine in St. Louis, St. Louis, MO
5:00 PM	51	A Multivariable Predictive Model for Success of External Cephalic Versions Carly M. Dahl ¹ ; Yue Zhang ¹ ; Janice Ong ¹ ; Chen Yen ² ; Moeun Son ³ ; Emily S. Miller ¹ ; Archana Roy ¹ ; William A. Grobman ² ¹ Northwestern University, Chicago, IL; ² Northwestern University Feinberg School of Medicine, Chicago, IL; ³ Yale University School of Medicine, New Haven, CT
5:15 PM	52	Vaginal isosorbide mononitrate for labor induction in pregnancies complicated by hypertensive diseases of pregnancy Stephen E. Gee ¹ ; Marwan Maayeh ² ; Stephen Thung ² ; Hannah Cackovic ² ; Mark B. Landon ³ ; Kara Rood ⁴ ¹ The Ohio State University, Columbus, OH; ² The Ohio State University College of Medicine, Columbus, OH; ³ The Ohio State University College of Medicine, Division of Maternal-Fetal Medicine, Department of Obstetrics & Gynecology, Columbus, OH; ⁴ The Ohio State Wexner Medical Center, Canal Winchester, OH

FRIDAY, January 29, 2021 • 3:30 PM — 5:45 PM

Time Abstract Oral Concurrent Session 5 - Morbidity and Mortality & Public/Global Health

3:30 PM	53	Postpartum blood pressure trajectories and risk of persistent hypertension following a hypertensive disorder of pregnancy Eesha Dave ¹ ; Benjamin Pifer ² ; Lara Lemon ³ ; Jacob Larkin ⁴ ; Anna Binstock ⁵ ; Hyagriv Simhan ⁶ ; Alisse Hauspurg ⁷ ¹ Magee-Womens Hospital, Pittsburgh, PA; ² University of Pittsburgh School of Medicine, Pittsburgh, PA; ³ Department of Clinical Analytics, University of Pittsburgh Medical Center, Pittsburgh, PA; ⁴ UPMC Magee-Womens Hospital, Pittsburgh, PA; ⁵ University of Pittsburgh, Pittsburgh, PA; ⁶ University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania, Pittsburgh, PA; ⁷ Magee-Womens Hospital of UPMC, Pittsburgh, PA
3:45 PM	54	The association between social vulnerability and severe maternal morbidity Divya Mallampati ¹ ; Tracy A. Manuck ² ¹ University of North Carolina at Chapel Hill, Durham, NC; ² University of North Carolina, Chapel Hill, NC
4:00 PM	55	Early prenatal marijuana and nicotine exposure and child neurodevelopmental outcomes Marcela Smid ; Gwendolyn A. McMillin; Torri D. Metz for the Eunice Kennedy Shriver National Institute of Child Health and Human Development Maternal-Fetal Medicine Units Network, Bethesda, MD

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FRIDAY, January 29, 2021 • 3:30 PM — 5:45 PM (continued)

Time	Abstract	Oral Concurrent Session 5 - Morbidity and Mortality & Public/Global Health
4:15 PM	56	Timing of Perinatal Mental Health Needs: Data to Inform Policy Allie Sakowicz ¹ ; Emma Allen ¹ ; Aishwarya Nugooru ¹ ; William A. Grobman ¹ ; Emily S. Miller ² ¹ Northwestern University Feinberg School of Medicine, Chicago, IL; ² Northwestern University, Chicago, IL
4:30 PM	57	Randomized Control Trial of Postpartum Visits at 2 weeks and 6 weeks Iliana D. Pluym ¹ ; Megha Tandel ² ; Lorna Kwan ³ ; Thalia Mok ³ ; Kerry Holliman ³ ; Yalda Afshar ⁴ ; Rashmi Rao ⁵ ¹ University of California, Los Angeles, Santa Monica, CA; ² Department of Urology, University of California, Los Angeles, Los Angeles, CA; ³ University of California, Los Angeles, Los Angeles, CA; ⁴ Division of Maternal Fetal Medicine, Department of Obstetrics and Gynecology, University of California, Los Angeles, Pacific Palisades, CA; ⁵ Ronald Regan UCLA Medical Center, Los Angeles, CA
4:45 PM	58	PREGNANCY-RELATED DEATH (PRD) REVIEW OF TEN YEARS-FLORIDA 2009–2018 Washington C. Hill ¹ ; Sappenfield William ² ; Letícia Hernandez ³ ; Angela Thompson ⁴ ; Isaac Delke ⁵ ; Robert Yelverton ⁶ ; Gene Burkett ⁷ ; Anna Varlamov ⁸ ; Karen E. Harris ⁹ ; Kay Roussos-Ross ¹⁰ ; Cole Greves ¹¹ ; Deborah Burch ¹² ¹ Florida Department of Health/Centerplace Health, Sarasota, FL; ² University of South Florida, Tampa, FL; ³ Florida Department of Health, Florida Department of Health, FL; ⁴ Florida Department of Health, Tallahassee, FL; ⁵ University of Florida Health, Jacksonville, Jacksonville, FL; ⁶ Women's Care Florida, Gainesville, FL; ⁷ University of Miami Health, Maternal-Fetal Medicine, Obstetrics & Gynecology, Miami, FL; ⁸ Planned Parenthood of Southwest and Central Florida, Orlando, FL; ⁹ Women's Group of North Florida, Gainesville, FL; ¹⁰ University of Florida College of Medicine, Gainesville, FL; ¹¹ Maternal-Fetal Medicine, Winnie Palmer Hospital for Mother's and Babies, Orlando, FL; ¹² Florida Department of Health Maternal and Child Health, Tallahassee, FL
5:00 PM	59	Safety and efficacy of a risk-based obstetric heparin-based thromboprophylaxis regimen Michelle Y. Lu ¹ ; Christina T. Blanchard ¹ ; Kacie R. Oglesby ² ; Margaret R. Page ¹ ; Allison J. Lazenby ³ ; Elizabeth B. Ausbeck ¹ ; Gabriella D. Cozzi ¹ ; Rodrigo D. D. Muñoz Rogers ⁴ ; Elisa T. Bushman ¹ ; Elle R. Kaplan ⁴ ; Martha F. Ruzic ² ; Mythreyi Mahalingam ¹ ; Sarah A. Dunk ¹ ; Macie L. Champion ¹ ; Brian M. Casey ¹ ; Alan Tita ² ; Dhong-Jin Kim ¹ ; Jeff M. Szychowski ¹ ; Akila Subramaniam ¹ ¹ Center for Women's Reproductive Health, University of Alabama at Birmingham, Birmingham, AL; ² University of Alabama at Birmingham, Birmingham, AL; ³ School of Medicine, Louisiana State University - New Orleans, New Orleans, LA; ⁴ School of Medicine, University of Alabama at Birmingham, Birmingham, AL
5:15 PM	60	A prediction model for postpartum readmission for hypertension or preeclampsia Kartik K. Venkatesh ¹ ; Jenna Beckham ² ; Alexander M. Friedman ³ ; Kim Boggess ¹ ; Eric Jelovsek ⁴ ; David M. Stamilio ⁵ ¹ The Ohio State University, Columbus, OH; ² University of North Carolina, Raleigh, NC; ³ Columbia University Irving Medical Center, New York, NY; ⁴ Duke University, Durham, NC; ⁵ Wake Forest University School of Medicine, Winston Salem, NC
5:30 PM	61	Maternal mid-upper arm circumference is associated with small for gestational age in a Zambian cohort Ashley A. Appiagyei ¹ ; Bellington Vwalika ² ; Anne West Honart ³ ; Andrew Kumwenda ⁴ ; Chileshe Mabula ⁵ ; Katelyn Rittenhouse ¹ ; Margaret P. Kasaro ⁶ ; Elizabeth M. Stringer ¹ ; Jeffrey Stringer ¹ ; Joan T. Price ³ ¹ University of North Carolina, Chapel Hill, NC; ² University of Zambia School of Medicine, Lusaka, Zambia; ³ University of North Carolina at Chapel Hill, Chapel Hill, NC; ⁴ University of North Carolina-Global Projects Zambia, Chapel Hill, NC; ⁵ University of North Carolina-Global Projects Zambia, Chapel Hill, NC; ⁶ UNC Global Projects Zambia, Lusaka, Zambia

FRIDAY, January 29, 2021 • 3:30 PM — 5:45 PM

Time	Abstract	Oral Concurrent Session 6 - Ultrasound and Genetics
3:30 PM	62	Multicenter prospective study of SNP-based cfDNA screening for aneuploidy with genetic confirmation in 18,496 pregnancies Pe'er Dar ¹ ; Bo Jacobsson ² ; Cora MacPherson ³ ; Fergal D. Malone ⁴ ; Ronald J. Wapner ⁵ ; Ashley Roman ⁶ ; Asma Khalil ⁷ ; Revital Faro ⁸ ; Rajeevi Madankumar ⁹ ; Lance Edwards ¹⁰ ; Sina Haeri ¹¹ ; Robert M. Silver ¹² ; Nidhi Vohra ¹³ ; Jon Hyett ¹⁴ ; Garfield Clunie ¹⁵ ; Zachary Demko ¹⁶ ; Matt Rabinowitz ¹⁶ ; Hakon Hakonarson ¹⁷ ; Mary E. Norton ¹⁸ ¹ Montefiore Medical Center, Albert Einstein College of Medicine, Bronx, NY; ² Sahlgrenska Academy, University of Gothenburg, Gothenburg, Sweden, Gothenburg, Vastra Gotaland; ³ George Washington University, Rockville, MD; ⁴ Royal College of Surgeons in Ireland, Dublin, Ireland, Dublin, Ireland; ⁵ Columbia University Irving Medical Center, New York, NY; ⁶ NYU Langone Health, New York, NY; ⁷ St George's Hospital University of London, London, England; ⁸ St Peters Hospital, New Brunswick, NJ; ⁹ Long Island Jewish Medical Center, Jericho, NY; ¹⁰ Suffolk Obstetrics & Gynecology, Port Jefferson, NY; ¹¹ Austin Maternal Fetal Medicine, Dallas, TX; ¹² University of Utah Health, Salt Lake City, UT; ¹³ Northwell Northshore Medical Center, Syosset, NY; ¹⁴ Royal Prince Alfred Hospital, New South Wales, Australia; ¹⁵ Mount Sinai, New York, NY; ¹⁶ Natera, Inc, San Carlos, CA; ¹⁷ Children's Hospital of Philadelphia, Philadelphia, PA; ¹⁸ University of California, San Francisco, San Francisco, CA
3:45 PM	63	Hydrops-Yielding Diagnostic Results Of Prenatal Exome Sequencing (HYDROPS) Trial - Prenatal WES for NIH Huda B. Al-Kouatly ¹ ; Mona M. Makhameh ¹ ; Stephanie M. Rice ¹ ; Kelsey Smith ² ; Christopher Harman ³ ; Andrea Quinn ¹ ; Breanna Valcarcel ¹ ; Brandy Firman ¹ ; Ruby Liu ⁴ ; Madhuri Hedge ⁴ ; Elizabeth Critchlow ¹ ; Seth I. Berger ⁵ ¹ Sidney Kimmel Medical College at Thomas Jefferson University, Philadelphia, PA; ² Integrated Genetics, Philadelphia, PA; ³ University of Maryland School of Medicine, Baltimore, MD; ⁴ PerkinElmer, Waltham, MA; ⁵ Center for Genetic Medicine Research, Children's National Medical Center, Washington DC, Washington, DC
4:00 PM	64	Longitudinal study of spiral artery and intravillous blood flow and adverse pregnancy outcomes Anthony Odibo ¹ ; Umit Kayisli ² ; Ozlem kayisli ³ ; Linda Odibo ² ; Frederick Schatz ² ; Yuanyuan Lu ² ; Henian Chen ² ; Richard Bronsteen ⁴ ; Charles Lockwood ⁵ ¹ University of South Florida Department of Obstetrics and Gynecology, Tampa, FL; ² USF-Morsani College of Medicine, Tampa, FL; ³ USF Morsani College of Medicine, Tampa, FL; ⁴ Oakland Beaumont University - Beaumont, Beaumont, MI; ⁵ Morsani College of Medicine, Tampa, FL

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FRIDAY, January 29, 2021 • 3:30 PM — 5:45 PM (continued)

Time	Abstract	Oral Concurrent Session 6 - Ultrasound and Genetics
4:15 PM	65	New SMFM definition of fetal growth restriction: Impact of adding AC < 10th percentile C. Andrew Combs ¹ ; Ramon Castillo ² ; Gilbert Webb ³ ; Amber Del Rosario ⁴ ¹ Mednax National Medical Group, Campbell, CA; ² Regional Obstetric Consultants (Mednax), Jacksonville, FL; ³ Maternal Fetal Diagnostic Center of Atlanta (Mednax), Marietta, GA; ⁴ Obstetrix Medical Group (Mednax), San Jose, Campbell, CA
4:30 PM	66	Influence of maternal body mass index on interobserver variability of fetal biometry in late pregnancy Juliana Gevaerd Martins ¹ ; Tetsuya Kawakita ¹ ; Margot M. Gurganus ² ; Dana Baraki ³ ; Priyanka Jain ³ ; Aris T. Papageorghiou ⁴ ; Alfred Abuhamad ³ ¹ Eastern Virginia Medical School, Virginia Beach, VA; ² University of Virginia, Charlottesville, VA; ³ Eastern Virginia Medical School, Norfolk, VA; ⁴ University of Oxford, England
4:45 PM	67	Multicenter prospective study of SNP-based cfDNA for 22q11.2 deletion in 18,289 pregnancies with genetic confirmation Pe'er Dar ¹ ; Bo Jacobsson ² ; Melissa Egbert ³ ; Fergal D. Malone ⁴ ; Ronald J. Wapner ⁵ ; Ashley Roman ⁶ ; Asma Khalil ⁷ ; Revital Faro ⁸ ; Rajeevi Madankumar ⁹ ; Lance Edwards ¹⁰ ; Noel Strong ¹¹ ; Sina Haeri ¹² ; Robert M. Silver ¹³ ; Nidhi Vohra ¹⁴ ; Jon Hyett ¹⁵ ; Kim Martin ³ ; Rebecca Clifton ¹⁶ ; Charly Kao ¹⁷ ; Mary E. Norton ¹⁸ ¹ Montefiore Medical Center, Albert Einstein College of Medicine, Bronx, NY; ² Sahlgrenska Academy, University of Gothenburg, Gothenburg, Sweden, Gothenburg, Vastra Gotaland; ³ Natera, Inc, San Carlos, CA; ⁴ Royal College of Surgeons in Ireland, Dublin, Ireland, Dublin, Ireland; ⁵ Columbia University Irving Medical Center, New York, NY; ⁶ NYU Langone Health, New York, NY; ⁷ St George's Hospital University of London, London, England; ⁸ St Peters Hospital, New Brunswick, NJ; ⁹ Long Island Jewish Medical Center, Jericho, NY; ¹⁰ Suffolk Obstetrics & Gynecology, Port Jefferson, NY; ¹¹ Icahn School of Medicine at Mount Sinai, New York, NY; ¹² Austin Maternal Fetal Medicine, Dallas, TX; ¹³ University of Utah Health, Salt Lake City, UT; ¹⁴ Northwell Northshore Medical Center, Syosset, NY; ¹⁵ Royal Prince Alfred Hospital, New South Wales, Australia; ¹⁶ George Washington University, Rockville, MD; ¹⁷ Childrens Hospital of Philadelphia, Center for Applied Genomics, Philadelphia, PA; ¹⁸ University of California, San Francisco, San Francisco, CA
5:00 PM	68	Dichorionic twin-specific versus singleton growth standards for diagnosis of fetal growth restriction Sarah K. Shea ; Benjamin Likins; Andrea Boan; Roger Newman; Matthew M. Finneran Medical University of South Carolina, Charleston, SC
5:15 PM	69	Testing a Telediagnostic Obstetric Ultrasound System Without a Trained Sonographer in a Low-Resource Peruvian Clinic Mariika Toscano ¹ ; Thomas J. Marini ² ; Timothy M. Baran ² ; Brian Garra ³ ; Jonah Kan ⁴ ; Rosemary Quinn ⁴ ; Rafael Ortega ⁴ ; Tina Zhao ⁴ ; Ann M. Dozier ² ; Miguel S. Egoavil ⁵ ; Lorena Tamayo ⁵ ; Claudia Carlotto ⁵ ; Kathryn Drennan ¹ ; Benjamin Castaneda ⁶ ¹ University of Rochester, Rochester, NY; ² University of Rochester Medical Center, Rochester, NY; ³ Medical Imaging Ministries of the Americas, Clermont, FL; ⁴ University of Rochester School of Medicine and Dentistry, Rochester, NY; ⁵ Medical Innovation and Technology, Lima, Peru; ⁶ Pontificia Universidad Catolica del Peru, Lima, Peru
5:30 PM	70	Universal fetal echocardiography for pre-gestational diabetes: a cost-effectiveness analysis Leah M. Savitsky ; Catherine M. Albright University of Washington, Seattle, WA

SATURDAY, January 30, 2021 • 10:30 AM — 12:45 PM

Time	Abstract	Oral Concurrent Session 7 - Basic and Translational Science
10:30 AM	71	Microbes from non-human primates exposed to maternal high fat diet decrease serotonin <i>in vitro</i> Erin Bolte ¹ ; Mindy Engevik ² ; Derek O'Neil ¹ ; James Versalovic ¹ ; Kjersti M. Aagaard ¹ ¹ Baylor College of Medicine, Houston, TX; ² Texas Children's Hospital, Houston, TX
10:45 AM	72	IL-17 stimulates B cells to secrete AT1-AA in hypertension and multi-organ tissue dysfunction during pregnancy James P. Hogg, III ¹ ; Sarah Fitzgerald ² ; Evangeline Deer ² ; Lorena M. Amaral ² ; Denise Cornelius ³ ; James Lemon ⁴ ; Owen Herrock ² ; Tarek Ibrahim ² ; Babbette LaMarca ² ¹ Department of Obstetrics & Gynecology, University of Mississippi Medical Center, Jackson, MS; ² University of Mississippi Medical Center, Jackson, MS; ³ Department of Emergency Medicine, University of Mississippi Medical Center, Jackson, MS; ⁴ Department of Pharmacology & Toxicology, University of Mississippi Medical Center, Jackson, MS
11:00 AM	73	Evaluating the influence of maternal obesity on perinatal neuroinflammation Katherine M. Leonard ¹ ; Jennifer Damicis ² ; Elisabeth Dornisch ² ; Irina Burd ³ ; Peter Napolitano ⁴ ; Jason Pates ⁵ ; Nicholas Ieronimakis ² ¹ Madigan Army Medical Center, US ARMY, Tacoma, WA; ² Madigan Army Medical Center, Tacoma, WA; ³ Johns Hopkins University, BALTIMORE, MD; ⁴ University of Washington, Seattle, WA; ⁵ Madigan Army Medical Center, Steilacoom, WA
11:15 AM	74	Central cortisol regulation in pregnancy Maria Andrikopoulou ; Sunil K. Panigrahi; Giselle D. Jaconia; Richard Smiley; Gabrielle Page-Wilson Columbia University Irving Medical Center, New York, NY
11:30 AM	75	AKT1 deficiency is linked to placental, fetal, and postnatal growth restriction Mae-Lan Winchester ¹ ; Keisuke Kozai ¹ ; Khurshheed Iqbal ² ; Masanaga Muto ¹ ; Regan Scott ¹ ; Michael Soares ² ¹ University of Kansas Medical Center, Kansas City, KS; ² Institute for Reproduction and Perinatal Research, Kansas City, KS
11:45 AM	76	The Transcriptome of Hypertensive Placentas: Superimposed preeclampsia as a transcriptionally distinct condition Ashley Hesson ¹ ; Elizabeth S. Langen ¹ ; Olesya Plazyo ² ; Johann Gudjonsson ² ; Santhi Ganesh ² ¹ University of Michigan, Ann Arbor, MI; ² University of Michigan/ Ann Arbor, Ann Arbor, MI

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SATURDAY, January 30, 2021 • 10:30 AM — 12:45 PM (continued)

Time	Abstract	Oral Concurrent Session 7 - Basic and Translational Science
12:00 PM	77	Role of Placental PAPP-A and IGF-II in placental growth in hypoxia-induced fetal growth restriction Emad Elsamadicy ; Loren Thompson University of Maryland School of Medicine, Baltimore, MD
12:15 PM	78	Preeclampsia Diminishes Pregnancy-augmented Myometrial H₂S Biosynthesis and Myometrial Artery Cystathionine β-Synthase Expression in Women Joshua Makhoul ¹ ; Thomas Lechuga ² ; Robert Day ² ; Qian-rong Qi ² ; Carol Major ³ ; Afshan B. Hameed ² ; Dong-bao Chen ² ¹ University of California Irvine Medical Center, Long Beach, CA; ² University of California, Irvine, Orange, CA; ³ University of California, Irvine, Irvine, CA
12:30 PM	79	Placental somatic mutation is associated with tissue infarction Nathan R. Blue ¹ ; Amelia Wallace ² ; Aaron Quinlan ² ; Tsegaselassie Workalemahu ³ ; Terry Morgan ⁴ ; Robert M. Silver ³ ¹ University of Utah Health, Dept. of OBGyn, Salt Lake City, UT; ² University of Utah Health, Department of Human Genetics, Salt Lake City, UT; ³ University of Utah Health, Salt Lake City, UT; ⁴ Oregon Health & Science University, Portland, OR

SATURDAY, January 30, 2021 • 10:30 AM — 1:00 PM

Time	Abstract	Oral Concurrent Session 8 - Fetal Physiology & Intervention
10:30 AM	80	Outcomes of percutaneous fetoscopic open spina bifida (OSB) repair Ramen H. Chmait ¹ ; Jason Chu ² ; Eftichia V. Kontopoulos ³ ; Alexander Van Speybroeck ² ; Huyen Q. Pham ⁴ ; Skorn Ponrartana ² ; Andrew H. Chon ¹ ; Arlyn Llanes ¹ ; Lisa M. Korst ⁵ ; Ruben A. Quintero ³ ¹ Keck School of Medicine, University of Southern California, Los Angeles, CA; ² Keck School of Medicine of University of Southern California, Children's Hospital Los Angeles, Los Angeles, CA; ³ USFetus Research Consortium, Miami, FL; ⁴ Division of Gynecologic Oncology, Department of Obstetrics and Gynecology, University of Southern California, Los Angeles, CA; ⁵ Childbirth Research Associates, Childbirth Research Associates, CA
10:45 AM	81	A three-layer fetoscopic spina bifida closure has fewer neonatal complications than open in-utero closure Jimmy Espinoza ¹ ; Michael A. Belfort ¹ ; William Whitehead ² ; Magdalena Sanz-Cortes ³ ; Ahmed A. Nassr ¹ ; Roopali Donepudi ¹ ; Raphael Sun ⁴ ; Eyal Krispin ⁵ ; Alireza A. Shamshirsaz ¹ ¹ Department of Obstetrics and Gynecology, Baylor College of Medicine/Texas Children's Hospital, Houston, TX; ² Department of Neurosurgery, Baylor College of Medicine/Texas Children's Hospital, Baylor College of Medicine, TX; ³ Texas Children's Pavilion for Women, Baylor College of Medicine, Houston, TX; ⁴ Texas Children's Hospital, Baylor College of Medicine, Houston, TX; ⁵ Baylor College of Medicine/Texas Children's Hospital, Houston, TX
11:00 AM	82	Neuroprotection is improved by watertightness of spina bifida repair in the fetal lamb Luc Joyeux ¹ ; Johannes van der Merwe ² ; Michael Aertsen ² ; Premal A. Patel ³ ; Ahmad Khatoun ⁴ ; Marina G. M. C. Mori da Cunha ⁴ ; Stephanie De Vleeschauwer ⁵ ; Johanna Parra ⁶ ; Enrico Danzer ⁷ ; Myles Mc Laughlin ⁴ ; Danail Stoyanov ⁸ ; Tom Vercauteren ⁹ ; Sebastien Ourselin ⁹ ; Paolo De Coppi ¹⁰ ; Enrico Radaelli ¹¹ ; Frank Van Calenbergh ¹² ; Jan Depreest ¹³ ¹ My FetUZ Fetal Research Center, Department of Development and Regeneration, Cluster Woman and Child, KU Leuven, Leuven, Belgium; ² University Hospitals Leuven, Leuven, Belgium; ³ Great Ormond Street Hospital for Children, London, United Kingdom; ⁴ KU Leuven, Leuven, Belgium; ⁵ Animal Research Center, Biomedical Sciences, KU Leuven, Leuven, Belgium; ⁶ University of Barcelona, Catalonia, Spain; ⁷ Kaiser Permanente Santa Clara Medical Center, Kaiser Permanente Santa Clara Medical Center, CA; ⁸ University College London, London, United Kingdom; ⁹ King's College London, London, United Kingdom; ¹⁰ Department of Pediatric Surgery, Great Ormond Street Hospital, NHS trust, London, Great Ormond Street Hospital, UCLH, England; ¹¹ Ryan Veterinary Hospital, University of Pennsylvania School of Veterinary Medicine, Ryan Veterinary Hospital, University of Pennsylvania School of Veterinary Medicine, PA; ¹² Department of Neurosurgery, University Hospital Gasthuisberg UZ Leuven, Leuven, Leuven, Belgium; ¹³ Department of Development and Regeneration, Cluster Woman and Child, Biomedical Sciences, KU Leuven, Leuven, Belgium
11:15 AM	83	Ambulatory status after prenatal (fetoscopic/open) and postnatal spina bifida repair. Predictors for independent ambulation Magdalena Sanz-Cortes ¹ ; Romain Corroenne ² ; Jonathan Castillo ³ ; William Whitehead ⁴ ; Heidi Castillo ³ ; Becky Johnson ⁵ ; Chilaka Ugoji ⁵ ; Jimmy Espinoza ² ; Alireza A. Shamshirsaz ² ; Ahmed A. Nassr ² ; Roopali Donepudi ² ; Michael A. Belfort ² ¹ Texas Children's Pavilion for Women, Baylor College of Medicine, Houston, TX; ² Department of Obstetrics and Gynecology, Baylor College of Medicine/Texas Children's Hospital, Houston, TX; ³ Texas Children's Hospital, Houston, TX; ⁴ Department of Neurosurgery, Baylor College of Medicine/Texas Children's Hospital, Baylor College of Medicine, TX; ⁵ Baylor College of Medicine, Department of Obstetrics and Gynecology, Houston, TX
11:30 AM	84	The association between persistent hypotension and small for gestational age neonates Samantha de los Reyes ¹ ; Beth Plunkett ² ; Annie Dude ³ ¹ University of Chicago/NorthShore University HealthSystem, Evanston, IL; ² Evanston Hospital, NorthShore University HealthSystem, Evanston, IL; ³ University of Chicago, Chicago, IL
11:45 AM	85	Prevention of preterm delivery after fetoscopy for twin-twin transfusion: a multicenter prospective cohort study Cara Buskmiller ¹ ; Eric P. Bergh ¹ ; Jena L. Miller ² ; Ahmet A. Baschat ² ; Henry L. Galan ³ ; Nicholas J. Behrendt ⁴ ; Mounira Habi ⁵ ; Jose L. Piero ⁶ ; Saul Snowise ⁷ ; James Fisher ⁸ ; Cora MacPherson ⁹ ; Elizabeth Thom ¹⁰ ; Anthony Johnson ¹ ; Sean C. Blackwell ¹¹ ; Ramesha Papanna ¹ ¹ Department of Obstetrics, Gynecology and Reproductive Sciences McGovern Medical School at The University of Texas Health Science Center at Houston (UTHealth), Houston, TX; ² Johns Hopkins Center for Fetal Therapy, Baltimore, MD; ³ University of Colorado School of Medicine, Aurora, CO; ⁴ University of Colorado School of Medicine Department of OBGYN, Aurora, CO; ⁵ Cincinnati Children's Fetal Care Center, Cincinnati, OH; ⁶ University of Cincinnati Department of Surgery, Cincinnati, OH; ⁷ Allina Health, Minneapolis, MN; ⁸ Midwest Fetal Care Center, Minneapolis, MN; ⁹ George Washington University, Rockville, MD; ¹⁰ George Washington University Biostatistics Center, Rockville, MD; ¹¹ UT Health McGovern Medical School at Houston, Houston, TX

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SATURDAY, January 30, 2021 • 10:30 AM — 1:00 PM (continued)

Time	Abstract	Oral Concurrent Session 8 - Fetal Physiology & Intervention
12:00 PM	86	Amniotic fluid microRNA profiles in twin-twin transfusion syndrome with and without severe cardiomyopathy Emily C. Willner¹ ; Henry L. Galan ¹ ; Bonnie Neltner ² ; Hilary A. Hoffman ³ ; Anis Karimpour-Fard ² ; Shelley D. Miyamoto ³ ; Carmen C. Sucharov ² ¹ University of Colorado School of Medicine, Aurora, CO; ² University of Colorado, Aurora, CO; ³ Children's Hospital Colorado, Aurora, CO
12:15 PM	87	Prenatal maternal mental distress impairs newborn amygdala growth and infant neurodevelopment at 18 months Yao Wu¹ ; Anushree Kapse ¹ ; Kristina Espinosa ¹ ; Kushal Kapse ¹ ; Catherine Lopez ² ; Jessica L. Quistorff ¹ ; Erin Clements ¹ ; Adré du Plessis ¹ ; Catherine Limperopoulos ¹ ¹ Children's National Hospital, Washington, DC; ² Children's National Medical Center, Washington, DC
12:30 PM	88	Contemporary experience of management and outcomes of TTTS at NAFTA Centers William Goodnight¹ ; Anthony Johnson ² ; Stephen Emery ³ ; Samuel Demers ⁴ ; Greg Ryan ⁵ ¹ University of North Carolina, Raleigh, NC; ² Department of Obstetrics, Gynecology and Reproductive Sciences McGovern Medical School at The University of Texas Health Science Center at Houston (UTHealth), Houston, TX; ³ Magee-Womens Hospital, Pittsburgh, PA; ⁴ University of North Carolina School of Medicine, Chapel Hill, NC; ⁵ Mount Sinai Hospital, Toronto, Canada
12:45 PM	49	Normal Labor Curve in Twin Gestations Hila Hochler¹ ; Joshua Guedalia ² ; Michal Lipschuetz ³ ; Asnat Walfisch ⁴ ; Simcha Yagel ³ ; Efrat Guedalia-Friedman ⁵ ; Ron Unger ⁶ ; Sergienco Ruslan ⁷ ; Israel Yoles ⁸ ; Doron Kabiri ³ ; Eyal Sheiner ⁹ ¹ Department of Obstetrics and Gynecology, Hadassah Hebrew University Medical Center, Mount-Scopus, Jerusalem, Israel; ² The Mina and Everard Goodman Faculty of Life Sciences, Bar-Ilan University, Ramat-Gan, Israel; ³ Hadassah-Hebrew University Medical Center, Jerusalem, Israel; ⁴ Soroka University Medical Center, Jerusalem, Israel; ⁵ Ben Gurion University of the Negev, Beer-Sheva, Israel; ⁶ The Mina and Everard Goodman Faculty of Life Sciences, Bar-Ilan University, Ramat-Gan, Ramat-Gan, Israel; ⁷ Department of Public Health, School of Public Health, Faculty of Health Sciences, Ben-Gurion University of the Negev, Beer-Sheva, Israel; ⁸ The Central District, Callit Health Services, Beit Gamlieel; ⁹ Department of Obstetrics and Gynecology, Soroka University Medical Center, Faculty of Health Sciences, Ben-Gurion University of the Negev, Beer Sheva, Israel

SATURDAY, January 30, 2021 • 10:30 AM — 1:00 PM

Time	Abstract	Oral Concurrent Session 9 - Infectious Diseases
10:30 AM	89	Association of chronic comorbid disease and severe maternal morbidity among pregnant patients with influenza Brittany Arditi¹ ; Timothy Wen ² ; Laura E. Riley ³ ; Mary E. D'Alton ¹ ; Alexander M. Friedman ¹ ; Kartik K. Venkatesh ⁴ ¹ Columbia University Irving Medical Center, New York, NY; ² University of California, San Francisco, San Francisco, CA; ³ Weill Cornell Medicine, New York, NY; ⁴ The Ohio State University, Columbus, OH
10:45 AM	90	Placental transfer of SARS-CoV-2 specific antibodies from mothers to newborns Fatima A. Estrada Trejo¹ ; Hadley Pfalzgraf ² ; Avish Arora ³ ; Aakash Mahant Mahant ² ; Betsy Herold ⁴ ¹ Montefiore Medical Center, Bronx, NY; ² Department of Microbiology-Immunology, Albert Einstein College of Medicine, Bronx, NY; ³ Department of Obstetrics & Gynecology and Women's health, Montefiore Medical Center, Albert Einstein College of Medicine, Bronx, NY; ⁴ Department of Microbiology-Immunology, Albert Einstein College of Medicine, Department of Pediatrics, Montefiore Medical Center, Bronx, NY
11:00 AM	91	Utility of serial amniotic fluid analysis for intrapartum infection prediction of Triple-I: our first steps Adam Crosland¹ ; Kenneth Chan ² ¹ University of California, Irvine Department of Obstetrics and Gynecology, Long Beach, CA; ² Long Beach Memorial Medical Center Women's Hospital, Long Beach, CA
11:15 AM	92	Assessment of ANKLE2 as a mediator of Zika associated microcephaly in a murine KO model Maxim Seferovic ; Nichole Link; Hugo Bellen; Kjersti M. Aagaard Baylor College of Medicine, Houston, TX
11:30 AM	93	Characterizing the key mediators of SARS-CoV-2 infection in the human placenta: is vertical transmission possible? Emily Sheikh¹ ; Elisabeth Dornisch ² ; Jennifer Damicis ² ; Jason Pates ³ ; Peter Napolitano ⁴ ; Nicholas Ieronimakis ² ¹ Madigan Army Medical Center, Lacey, WA; ² Madigan Army Medical Center, Tacoma, WA; ³ Madigan Army Medical Center, Steilacoom, WA; ⁴ University of Washington, Seattle, WA
11:45 AM	94	Perinatal outcomes of asymptomatic versus symptomatic COVID positive pregnant women Maria Andrikopoulou ; Cynthia Gyamfi-Bannerman; Shai Bejerano; Elizabeth Ludwig; Richard L. Berkowitz Columbia University Irving Medical Center, New York, NY
12:00 PM	95	Elevated prenatal maternal stress during Covid-19 alters fetal biochemical profiles Subechnya Pradhan¹ ; Nickie N. Andescavage ² ; Haleema Saeed ³ ; Kushal Kapse ¹ ; Nicole Andersen ¹ ; Jessica L. Quistorff ¹ ; Catherine Lopez ⁴ ; Catherine Limperopoulos ¹ ¹ Children's National Hospital, Washington, DC; ² Children's National Health System, Washington, DC; ³ Washington Hospital Center, Washington, DC; ⁴ Children's National Medical Center, Washington, DC
12:15 PM	96	Preterm birth disparities at a single United States academic institution during the COVID pandemic Amanda M. Craig¹ ; Sarah Dotters-Katz ¹ ; Kristin Weaver ¹ ; Jennifer Gilner ² ; Geeta Swamy ¹ ; Brenna L. Hughes ² ; Sarah M. Wheeler ² ¹ Duke University, Durham, NC; ² Duke University Medical Center, Durham, NC

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SATURDAY, January 30, 2021 • 10:30 AM — 1:00 PM (continued)

Time Abstract Oral Concurrent Session 9 - Infectious Diseases

Time	Abstract	Oral Concurrent Session 9 - Infectious Diseases
12:30 PM	97	<p>The impact of peak and duration of maternal intrapartum fever on perinatal outcomes Hila Hochler¹; Michal Lipschuetz²; Sarah Cohen¹; Joshua Guedalia³; Simcha Yagel²; Doron Kabiri²; Asnat Walfisch⁴</p> <p>¹Department of Obstetrics and Gynecology, Hadassah Hebrew University Medical Center, Mount-Scopus, Jerusalem, Israel; ²Hadassah-Hebrew University Medical Center, Jerusalem, Israel; ³The Mina and Everard Goodman Faculty of Life Sciences, Bar-Ilan University, Ramat-Gan, Israel; ⁴Soroka University Medical Center, Jerusalem, Israel</p>
12:45 PM	98	<p>Smartphone-based counseling and support platform and the effect on postpartum lactation-a randomized controlled trial Hadas Miremberg¹; Karen Yirmiya²; Shiran Rona³; Noa Gonen⁴; Or Marom⁵; Alona Pohl⁵; Michal Kovo⁴; Jacob Bar⁴; Eran Weiner⁴</p> <p>¹Edith Wolfson Medical Center, Holon, Israel; ²Department of Psychology, Bar-Ilan University, Israel and Interdisciplinary Center, Herzliya, Israel; ³The Edith Wolfson Medical Center, Tel Aviv, Israel; ⁴Department of Obstetrics & Gynecology, the Edith Wolfson Medical Center, Holon, Israel; ⁵The Edith Wolfson Medical Center, Holon, Israel</p>

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