

THURSDAY, February 1 • 8:00 AM - 10:00 AM • Chantilly Ballroom

Time	Abstract	Oral Plenary I
8:00am	1	<p>Tranexamic acid for the prevention of postpartum hemorrhage after vaginal delivery: the TRAAP trial Loïc Sentilhes^{1,2}, Norbert Winer^{3,4}, Elie Azria^{5,6}, Marie Victoire Sénat⁷, Camille Le Ray^{6,8}, Delphine Vardon⁹, Franck Perrotin¹⁰, Raoul Desbrière¹¹, Florent Fuchs^{12,13}, Gilles Kayem^{6,14}, Guillaume Ducarme¹⁵, Muriel Doret-Dion¹⁶, Cyril Huissoud¹⁷, Caroline Bohec¹⁸, Philippe Deruelle¹⁹, Astrid Darsonval^{20,21}, Jean-Marie Chrétien²², Aurélien Seco⁶, Valérie Daniel^{20,21}, Catherine Deneux-Tharoux⁶, Groupe de Recherche en Obstétrique et Gynécologie (GROG)</p> <p>¹Department of Obstetrics and Gynecology, Bordeaux University Hospital, Bordeaux, France, ²Department of Obstetrics and Gynecology, Angers University Hospital, Angers, France, ³Department of Obstetrics and Gynecology, University Medical Center of Nantes; Centre d'Investigation Clinique CIC Mere enfant, Nantes, France, ⁴National Institute of Agricultural Research (INRA), UMR 1280, Physiology of Nutritional Adaptations, University of Nantes, IMAD and CRNH-Ouest, Nantes 44000, France, ⁵Maternity unit, Paris Saint Joseph Hospital, Paris Descartes University, Paris, France, ⁶INSERM U1153, Obstetrical, Perinatal and Pediatric Epidemiology Research Team, Center for Epidemiology and Statistics, Sorbonne Paris Cité, DHU Risks in Pregnancy, Paris Descartes University, Paris, France, ⁷Department of Obstetrics and Gynecology, Kremlin-Bicetre University Hospital, Assistance Publique-Hôpitaux de Paris, Paris, France, ⁸Port Royal Maternity Unit, Cochin Hospital, Assistance Publique-Hôpitaux de Paris, Paris, France; DHU Risks in Pregnancy; Paris Descartes University, Paris, France, ⁹Department of Obstetrics and Gynecology, Caen University Hospital, Caen, France, ¹⁰Department of Obstetrics and Gynecology, Tours University Hospital, Tours, France, ¹¹Department of Obstetrics and Gynecology, Saint-Joseph Hospital, Marseille, France, ¹²Department of Obstetrics and Gynecology, Montpellier University Hospital, Montpellier, France, ¹³Inserm, CESP Centre for research in Epidemiology and Population Health, U1018, Reproduction and child development, Villejuif, France, ¹⁴Department of Obstetrics and Gynecology, Trousseau Hospital, Assistance Publique-Hôpitaux de Paris, Paris, France, ¹⁵Department of Obstetrics and Gynecology, Centre Hospitalier Départemental, La Roche sur Yon, France, ¹⁶Department of Obstetrics and Gynecology, Hospices Civils de Lyon, Hospital Femme-Mère-Enfant, University Lyon 1, France, ¹⁷Department of Obstetrics and Gynecology, Croix Rousse University Hospital, Lyon, France, ¹⁸Department of Obstetrics and Gynecology, François Mitterrand Hospital, Pau, France, ¹⁹Department of Obstetrics and Gynecology, Jeanne de Flandre University Hospital, Lille, France, ²⁰Department of Pharmacy, Angers University Hospital, Angers, France, ²¹PPRIGO (Production Pharmaceutique pour la Recherche Institutionnelle du Grand Ouest), Brest University Hospital, Brest, France, ²²Department of Clinical Research, Angers University Hospital Angers, France</p>
8:15am	2	<p>DNA methylation of genes in the maternal HPA axis during pregnancy is linked with birth outcomes Douglas Williamson¹, Nourhan M. Elsayed¹, Hyagriv Simhan², William Grobman³, Lauren Keenan-Devlin⁴, Emma Adam⁵, Claudia Buss⁶, Jennifer Culhane⁷, Sonja Entringer⁶, Pathik Wadhwa⁸, Greg Miller⁹, Ann Borders⁴</p> <p>¹Duke University, Department of Psychiatry and Behavioral Sciences, School of Medicine, Durham, NC, ²University of Pittsburgh School of Medicine, Division of Maternal-Fetal Medicine, Pittsburgh, PA, ³Northwestern University Feinberg School of Medicine, Department of Obstetrics and Gynecology, Division of Maternal-Fetal Medicine, Chicago, IL, ⁴Department of Obstetrics and Gynecology, Division of Maternal Fetal Medicine, NorthShore University Health System, University of Chicago Pritzker School of Medicine, Chicago, IL, ⁵Northwestern University, School of Education and Social Policy, Chicago, IL, ⁶Charité, Universitätsmedizin, Berlin, Germany, ⁷Children's Hospital of Philadelphia, Division of Adolescent Medicine, Philadelphia, PA, ⁸UCI Development, Health and Disease Research Program, University of California Irvine, Irvine, CA, ⁹Northwestern University, Department of Psychology, Chicago, IL</p>
8:30am	3	<p>Timing of serial ultrasound in at risk pregnancies: a randomized controlled trial (SUN Trial) Robyn P. Roberts^{1,2}, Baha M. Sibai¹, Sean C. Blackwell¹, Suneet P. Chauhan¹</p> <p>¹McGovern Medical School at The University of Texas Health Science Center at Houston (UT Health), Houston, TX, ²Henry Ford Health System, Detroit, MI</p>
8:45am	4	<p>Reducing time to treatment for severe maternal hypertension through statewide quality improvement Patricia Lee King¹, Lauren Keenan-Devlin², Camille Gordon², Satyender Goel¹, Ann Borders²</p> <p>¹Northwestern University Feinberg School of Medicine, Chicago, IL, ²NorthShore University HealthSystem, Evanston, IL</p>
9:00am	5	<p>Valnoctamide rescues CMV-induced deafness in a murine model Sara Ornaghi^{1,2}, Jun-Ping Bai¹, Dhasakumar Navaratnam¹, Joseph Santos-Sacchi¹, Patrizia Vergani², Anthony van den Pol¹, Michael J. Paidas¹</p> <p>¹Yale University, New Haven, CT, ²University of Milan-Bicocca, Monza, Italy</p>
9:15am	6	<p>The impact of the HYPITAT I trial on obstetric management and outcome for gestational hypertension and preeclampsia in the Netherlands Catherine de Sonnaville¹, Ben Willem Mol², Henk Groen³, Floortje Vlemmix⁴, Joke Schutte⁵, Chantal Hukkelhoven⁶, Marielle van Pampus¹</p> <p>¹OLVG, Amsterdam, Netherlands, ²University of Adelaide, Adelaide, Australia, ³University Medical Centre Groningen, Groningen, Netherlands, ⁴Academic Medical Centre, Amsterdam, Netherlands, ⁵Isala klinieken, Zwolle, Netherlands, ⁶Perined, Utrecht, Netherlands</p>
9:30am	7	<p>Maternal administration of melatonin for prevention of preterm birth and fetal brain injury associated with premature birth in a mouse model Ji Yeon Lee^{1,2}, Eunna Kim³, Jong Yun Hwang⁴, Hang Seok Song⁵</p> <p>¹Department of Obstetrics and Gynecology, CHA Bundang Medical Center, CHA University School of Medicine, Seongnam, Korea, Republic of, ²Integrated Research Center for Fetal medicine, Department of Gynecology and Obstetrics, Johns Hopkins University, Baltimore, MD, ³Department of Pathology, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea, Republic of, ⁴Department of Obstetrics and Gynecology, Kangwon national university school of medicine, Chuncheon, Korea, Republic of, ⁵Department of Biomedical Science, College of Life Science, CHA University, Seongnam, Korea, Republic of</p>
9:45am	8	<p>Oxygen for category ii intrauterine fetal resuscitation: a randomized, noninferiority trial Nandini Raghuraman, Leping Wan, Lorene A. Temming, Candice Woolfolk, George A. Macones, Methodius G. Tuuli, Alison G. Cahill</p> <p>Washington University School of Medicine in St Louis, St Louis, MO</p>

THURSDAY, February 1 • 1:15 PM - 4:00 PM • Chantilly Ballroom East

Time	Abstract	Oral Concurrent 1 - Prematurity
1:15pm	9	<p>The role of Nur77 in perinatal neuroinflammation in a preterm labor mouse model Sarah M. Estrada¹, Andrew S. Thagard¹, Irina Burd², Peter G. Napolitano¹, Nicholas Ieronimakis¹</p> <p>¹Madigan Army Medical Center, Olympia, WA, ²Johns Hopkins School of Medicine, Baltimore, MD</p>

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THURSDAY, February 1 • 1:15 PM - 4:00 PM • Chantilly Ballroom East (continued)

Time	Abstract	Oral Concurrent 1 - Prematurity
1:30pm	10	Pessary to prevent preterm birth after an episode of threatened preterm labor (APOSTEL VI): a randomized controlled trial Frederik J. Hermans ¹ , Ewoud Schuit ² , Hubertina Scheepers ³ , Mallory Woiski ⁴ , Marieke Sueters ⁵ , Mireille Bekker ⁶ , Maureen Franssen ⁷ , Marjon de Boer ⁸ , Eva Pajkrt ¹ , Ben Willem Mol ⁹ , Marjolein Kok ¹ ¹ Academic Medical Center, Amsterdam, Netherlands, ² Julius Center for Health Sciences and Primary Care, Utrecht, Netherlands, ³ Maastricht University Medical Center, Maastricht, Netherlands, ⁴ Radboud University Medical Center, Nijmegen, Netherlands, ⁵ Leiden University Medical Center, Leiden, Netherlands, ⁶ University Medical Center Utrecht, Utrecht, Netherlands, ⁷ University Medical Center Groningen, Groningen, Netherlands, ⁸ VU University Medical Center, Amsterdam, Netherlands, ⁹ The Robinson Research Institute, Adelaide, Australia
1:45pm	11	Beyond preeclampsia: low dose aspirin reduces spontaneous preterm birth Maria Andrikopoulou ¹ , Stephanie E. Purisch ² , Roxane Handal-Orefice ² , Cynthia Gyamfi-Bannerman ² ¹ Department of Obstetrics and Gynecology, NYU Winthrop University Hospital, Mineola, NY, ² Division of Maternal Fetal Medicine, Department of Obstetrics and Gynecology, Columbia University Medical Center, New York, NY
2:00pm	12	The predictive capacity of uterine artery doppler for preterm birth - a prospective cohort study Maud D. van Zijl ¹ , Bouchra Koullali ¹ , Ben Willem J. Mol ² , Rosalinde J. Snijders ¹ , Brenda M. Kazemier ¹ , Eva Pajkrt ¹ ¹ AMC Amsterdam, Amsterdam, Netherlands, ² The Robinson Research Institute, School of Paediatrics and Reproductive Health, Adelaide, Australia
2:15pm	13	Antenatal steroids and neonatal hypoglycemia Kristina E. Sondgeroth , Molly J. Stout, Ebony B. Carter, George A. Macones, Alison G. Cahill, Methodius G. Tuuli Washington University in St. Louis, St. Louis, MO
2:30pm	14	Extracellular vesicle proteomic markers obtained at 12 weeks predict spontaneous preterm birth less than 35 weeks gestation: a validation with specific characterization of marker behavior by fetal gender and parity Thomas McElrath ^{1,2} , David E. Cantonwine ^{1,2} , Arun Jeyabalan ³ , Robert Doss ⁴ , Gail Page ⁴ , James M. Roberts ^{5,6} , Brian Brohman ⁴ , Kevin P. Rosenblatt ^{4,7} ¹ Brigham & Women's Hospital, Boston, MA, ² Harvard Medical School, Boston, MA, ³ Magee-Women's Research Institute, and Reproductive Sciences, University of Pittsburgh School of Medicine, Pittsburgh, PA, ⁴ NX Prenatal Inc, Louisville, KY, ⁵ Magee-Women's Research Institute, and Reproductive Sciences, University of Pittsburgh School of Medicine, Pittsburgh, KY, ⁶ Global Pregnancy Collaboration, Pittsburgh, PA, ⁷ Division of Oncology, Department of Internal Medicine, University of Texas Health Science Center at Houston, McGovern Medical School, Houston, TX
2:45pm	15	Gardnerella vaginalis and spontaneous preterm birth: new insights Katheryne L. Downes ¹ , Jacques Ravel ² , Pawel Gajer ² , Michal A. Elovitz ¹ ¹ University of Pennsylvania, Philadelphia, PA, ² University of Maryland, Baltimore, MD
3:00pm	16	Predicting vaginal delivery in women undergoing induction of labor at preterm Tetsuya Kawakita ¹ , Chun-Chih Huang ² , Tamika C. Auguste ¹ , David Bauer ³ , Rachael T. Overcash ¹ ¹ MedStar Washington Hospital Center, Washington, DC, ² MedStar Health Research Institute, Hyattsville, MD, ³ MedStar Simulation Training & Education Lab, Washington, DC
3:15pm	17	Antenatal late preterm steroids: a cost analysis Cynthia Gyamfi-Bannerman for the Eunice Kennedy Shriver National Institute of Child Health and Human Development Maternal-Fetal Medicine Units Network, Bethesda, MD
3:30pm	18	Ethyl pyruvate: a novel therapeutic agent to prevent inflammation induced preterm birth Bethany T. Stetson ¹ , Brian A. Kellert ¹ , Guomao Zhao ² , Manel Guessas ² , Megan C. Locke ² , William E. Ackerman ¹ , Catalin S. Buhimschi ¹ , Irina A. Buhimschi ² ¹ The Ohio State University College of Medicine, Columbus, OH, ² Nationwide Children's Hospital Center for Perinatal Research, Columbus, OH
3:45pm	19	Distinct microbiota from the cervicovaginal space compromise the cervical epithelial barrier and alter expression of microRNAs Carolynn M. Dude , Anissa Saylany, Amy Brown, Lauren Anton, Michal Elovitz University of Pennsylvania, Philadelphia, PA

THURSDAY, February 1 • 1:15 PM - 4:00 PM • Chantilly Ballroom West

Time	Abstract	Oral Concurrent 2 - Basic Science 1
1:15pm	20	Progesterone in preterm delivery might protect the fetal brain by inhibition of specific inflammatory & oxidative pathways in a rodent model Yuval Ginsberg , Ola Gutzeit, Nizar Khatib, Salim Hadad, Ofer Fainaru, Zeev Weiner, Ron Beloosesky Rambam Health Care Campus, Haifa, Israel
1:30pm	21	Transcriptomics to measure high fat diet and metformin effects on fetal gene expression in an obese mouse model Matthew R. Grace , Neeta L. Vora, Lisa Smeester, Sarah Dotters-Katz, Rebecca Fry, Victoria Bae-Jump, Kim Boggess University of North Carolina School of Medicine, Chapel Hill, NC
1:45pm	22	Identifying zika virus (ZIKV)-silenced gene targets in the placenta at a transcriptome-wide scale using AGO-CLIP sequencing technology Kjersti Aagaard , Maxim Seferovic, Mark Hamilton, Min Hu, Rodion Gorchakov, Kristy Murray, Melissa Suter Baylor College of Medicine, Houston, TX

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THURSDAY, February 1 • 1:15 PM - 4:00 PM • Chantilly Ballroom West (continued)**Time Abstract Oral Concurrent 2 - Basic Science 1**

2:00pm	23	Interleukin-4 supplementation improves the pathophysiology of preeclampsia in response to placental ischemia Jesse N. Cottrell ¹ , Lorena M. Amaral ¹ , Ashlyn Harmon ¹ , Denise C. Cornelius ¹ , Tarek Ibrahim ¹ , Mark W. Cunningham Jr ¹ , Gerd Wallukat ² , Florian Herse ² , Ralf Dechend ² , Babbette LaMarca ¹ ¹ University of Mississippi Medical Center, Jackson, MS, ² Max Delbrück Center for Molecular Medicine, Berlin, Germany
2:15pm	24	Placental-mediated inhibition of inflammation, apoptosis and oxidative stress by maternal magnesium sulphate (Mg): A mechanism for Mg neuroprotection Nizar Khatib ¹ , Yuval Ginsberg ¹ , Zvi Millo ¹ , Sari Boulos ¹ , Michael G. Ross ² , Zeev Weiner ¹ , Ron Beloosesky ¹ ¹ Rambam Health Care Campus, Haifa, Israel, ² Harbor-UCLA Medical Center, Torrance, CA
2:30pm	25	Insulin exerts an inhibitory effect on the contractility of human pregnant myometrium <i>in vitro</i> Niamh A. Dundon ^{1,2} , Sarah M. Nicholson ^{1,2} , Gillian A. Ryan ^{1,2} , Denis J. Crankshaw ^{1,2} , John J. Morrison ^{1,2} ¹ National University of Ireland, Galway, Galway, Ireland, ² Dept. of Obstetrics and Gynaecology, Galway University Hospital, Galway, Ireland
2:45pm	26	Severe placental insufficiency, acidemia and imminent stillbirth are associated with changes in circulating levels of mRNA coding NR4A2, RCBTB2 and EMP1 Stephen Tong ^{1,2} , Clare Whitehead ^{1,2} , Susan Walker ^{1,2} , Gordon Lavinia ³ , Jo Said ⁴ , Katie Groom ⁵ , Scott Petersen ⁶ , Sean Seeho ⁷ , Amanda Henry ⁸ , Stefan Kane ⁹ , Natalie Hannan ^{1,2} , Owen Stock ^{1,2} ¹ Translational Obstetrics Group, University of Melbourne, Heidelberg, Victoria, Australia, ² Mercy Perinatal, Mercy Hospital, Heidelberg, Victoria, Australia, ³ Australian Research Genome Facility, Parkville, Victoria, Australia, ⁴ Sunshine Hospital, Department of Obstetrics and Gynaecology, University of Melbourne, Sunshine, Victoria, Australia, ⁵ Auckland City Hospital, The University of Auckland, Auckland, New Zealand, ⁶ The Mater Hospital, Brisbane, Queensland, Australia, ⁷ Royal North Shore Hospital, The University of Sydney, St Leonards, New South Wales, Australia, ⁸ St Georges Hospital, University of New South Wales, Kogarah, New South Wales, Australia, ⁹ Royal Women's Hospital, University of Melbourne, Parkville, Victoria, Australia
3:00pm	27	Progesterone treatment enhances the expansion of placental immature myeloid cells in a mouse model of premature labor Ofer Fainaru , Ola Gutzeit, Rivka Hertz, Yuval Ginsberg, Ron Beloosesky, Zeev Weiner Rambam Medical Center, Haifa, Israel
3:15pm	28	Effectiveness of maternal supplementation of a combination of inositols, fucosanthin and hydroxytyrosol in an obese pregnant mouse model Daniela Menichini ¹ , Mesk Alrais ¹ , Esther H. Tamayo ¹ , Chen Liu ² , Sean C. Blackwell ¹ , Fabio Facchinetti ³ , Baha M. Sibai ¹ , Monica Longo 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 Department of Biochemistry and Molecular Biology, UTHealth, Houston, TX, ³ University Hospital of Modena & Reggio Emilia, Mother-Infant Dept., Modena, Italy
3:30pm	29	Exposure to a high fat diet is associated with persistent alterations in behavior and the gut microbiome in juvenile offspring primates Ryan M. Pace ¹ , Amanda L. Prince ¹ , Maxim D. Seferovic ¹ , Min Hu ¹ , Diana Takahashi ¹ , Tyler Dean ¹ , Karalee Baquero ¹ , Jacob E. Friedman ² , Kevin L. Grove ³ , Paul Kievit ³ , Elinor L. Sullivan ⁴ , Kjersti M. Aagaard ¹ ¹ Baylor College of Medicine, Houston, TX, ² University of Colorado Anschutz Medical Campus, Aurora, CO, ³ Oregon Health & Science University, Beaverton, OR, ⁴ University of Portland, Portland, OR
3:45pm	30	Diversity of the vaginal virome is associated with preterm birth Molly J. Stout , Methodius G. Tuuli, George A. Macones, Todd N. Wylie, Kristine M. Wylie Washington University in St. Louis, Saint Louis, MO

THURSDAY, February 1 • 1:15 PM - 4:00 PM • Grand Ballroom D-E**Time Abstract Oral Concurrent 3 - RCT**

1:15pm	31	Congenital toxoplasmosis prevention by pyrimethamine-sulfadiazine vs spiramycin, a randomized trial Laurent Mandelbrot ^{1,2} , Isabelle Villena ³ , Francois Kieffer ⁴ , Helene Laurichesse-Delmas ⁵ , Norbert Winer ⁶ , Louis Mesnard ⁷ , Alain Berrebi ⁸ , Gwenaëlle Le Bouar ⁹ , Anne-Gaëlle Cordier ¹⁰ , Remi Sitta ¹¹ , Rodolphe Thiebaut ¹¹ ¹ Hopital Louis Mourier APHP, Colombes, France, ² Université Paris Diderot, Paris, France, ³ CHU de Reims, Reims, France, ⁴ Hopital Trousseau APHP, Paris, France, ⁵ CHU de Clermont Ferrand, Clermont Ferrand, France, ⁶ CHU de Nantes, Nantes, France, ⁷ Hopital d'Orleans, Orleans, France, ⁸ CHU de Toulouse, Toulouse, France, ⁹ CHU de Rennes, Rennes, France, ¹⁰ Hopital Antoine Béchère APHP, Clamart, France, ¹¹ Université de Bordeaux 2, Bordeaux, France
1:30pm	32	Knotless barbed suture closure of the uterine incision at cesarean - a randomized controlled trial David Peleg ¹ , Ronan Said Ahmad ¹ , Steven L. Warsof ² , Naama Marcus-Braun ¹ , Yael Sciaky-Tamir ¹ , Inbar Ben Shachar ¹ ¹ Ziv Medical Center, Faculty of Medicine in the Galilee, Bar-Ilan University, Zefat, Israel, ² Eastern Virginia Medical School, Norfolk, VA
1:45pm	33	Postpartum maternal administration of oxytocin and volume of placental transfusion, an RCT Daniela Satragno ¹ , Nestor Vain ¹ , Juan Gordillo ² , Ariel Fernandez ¹ , Guillermo Carroli ³ , Norma Romero ⁴ , Luis Prudent ¹ ¹ FUNDASAMIN, Buenos Aires, Argentina, ² Maternidad de las Mercedes, Tucumán, Argentina, ³ CREP, Rosario, Argentina, ⁴ Maternidad de las Mercedes, Tucuman, Argentina
2:00pm	34	Th Pre-eclampsia Intervention with Esomeprazole trial (PIE trial) Catherine Cluver ¹ , Natalie Hannan ² , Erika van Papendorp ¹ , Richard Hiscock ² , Ben Mol ³ , Gerhard Theron ¹ , David Hall ¹ , Megan Rensburg ¹ , Sally Beard ² , Pawel Schubert ¹ , Susan Walker ² , Stephen Tong ² ¹ Stellenbosch University, Cape Town, South Africa, ² Melbourne University, Melbourne, Australia, ³ Adelaide University, Adelaide, Australia

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THURSDAY, February 1 • 1:15 PM - 4:00 PM • Grand Ballroom D-E (continued)**Time Abstract Oral Concurrent 3 - RCT**

2:15pm	35	Early-term deliveries are associated with a reduced likelihood of exclusive breastfeeding Yetunde Fatunde¹ , Lauren Keenan-Devlin ² , Hyagriv Simhan ³ , Greg Miller ⁴ , Emma Adam ⁴ , Pathik Wadhwa ⁵ , Jennifer Culhane ⁶ , Douglas Williamson ⁷ , Claudia Buss ⁸ , Sonja Entringer ⁸ , William Grobman ⁹ , Ann Borders ² ¹ University of Chicago, Chicago, IL, ² NorthShore University Health System, University of Chicago Pritzker School of Medicine, Chicago, IL, ³ University of Pittsburgh School of Medicine, Pittsburgh, PA, ⁴ Northwestern University, Chicago, IL, ⁵ University of California Irvine, Irvine, CA, ⁶ Children's Hospital of Philadelphia, Philadelphia, PA, ⁷ Duke University, Durham, NC, ⁸ Charité - Universitätsmedizin Berlin, Berlin, Germany, ⁹ Northwestern University Feinberg School of Medicine, Chicago, IL
2:30pm	36	A randomized controlled trial of salpingectomy versus standard tubal ligation at the time of cesarean delivery Akila Subramaniam¹ , Christina T. Blanchard ¹ , Britt K. Erickson ² , Jeff Szychowski ¹ , Charles A. Leath ³ , Joseph R. Biggio ⁴ , Warner K. Huh ³ ¹ University of Alabama at Birmingham, Center for Women's Reproductive Health, Department of Obstetrics and Gynecology, Birmingham, AL, ² University of Minnesota, Division of Gynecologic Oncology, Minneapolis, MN, ³ University of Alabama at Birmingham, Division of Gynecologic Oncology, Birmingham, AL, ⁴ Ochsner Health System, New Orleans, LA
2:45pm	37	Comparison of staples versus subcuticular suture in class III obese women undergoing cesarean delivery: a randomized controlled trial Mary N. Zaki¹ , Deborah A. Wing ¹ , Jennifer A. McNulty ² ¹ University of California, Irvine, Orange, CA, ² Miller Children and Women's Hospital, Long Beach, CA
3:00pm	38	Pfannenstiel vs. vertical skin incision for cesarean delivery in women with class III obesity: a randomized clinical trial Caroline Marrs¹ , Sean Blackwell ² , Ashley Hester ² , Gayle Olson ¹ , George Saade ¹ , Jon Faro ² , Claudia Pedroza ² , Bahaeddine Sibai ² ¹ The University of Texas Medical Branch, Galveston, TX, ² McGovern Medical School at The University of Texas Health Science Center at Houston (UTHealth), Houston, TX
3:15pm	39	One-step vs two-step screening for gestational diabetes: a randomized controlled trial Adeeb Khalifeh¹ , Rebecca Eckler ² , Laura Felder ² , Gabriele Saccone ³ , Jayasree khosla ² , Vincenzo Berghella ² ¹ Einstein Medical Center, Philadelphia, PA, ² Thomas Jefferson University, Philadelphia, PA, ³ University of Naples Federico II, Naples, Italy
3:30pm	40	Early delivery in fetal gastroschisis: a randomized controlled trial of elective 34 week delivery versus routine obstetrical care Alireza A. Shamshirsaz¹ , Timothy C. Lee ¹ , Amy B. Hair ¹ , Hadi Erfani ¹ , Jimmy Espinoza ¹ , Amir A. Shamshirsaz ¹ , Karin A. Fox ¹ , Manisha Gandhi ¹ , Ahmed A. Nassr ¹ , Steven A. Abrams ² , Oluyinka O. Olutoye ¹ , Michael A. Belfort ¹ ¹ Baylor College of Medicine/Texas Children's Hospital, Houston, TX, ² University of Texas at Austin, Austin, TX
3:45pm	41	A randomized control trial on the effect of introducing a daily smartphone based feedback system between GDM patients and physicians- on patient compliance, glycemic control, satisfaction, and pregnancy outcome Hadas Miremberg , Tal Ben-Ari, Tal Betzer, Hagit Raphaeli, Rose Gasnier, Giulia Barda, Jacob Bar, Eran Weiner Departments of Obstetrics & Gynecology, the Edith Wolfson Medical Center, Affiliated with Sackler School of Medicine, Holon, Israel

FRIDAY, February 2 • 8:00 AM - 10:00 AM • Chantilly Ballroom**Time Abstract Oral Plenary II (Fellows)**

8:00am	42	Torseamide for prevention of persistent postpartum hypertension in preeclampsia: a randomized, placebo-controlled trial Oscar A. Viteri , Mesk A. Alrais, Claudia Pedroza, Suneet P. Chauhan, Sean C. Blackwell, Baha M. Sibai McGovern Medical School at The University of Texas Health Science Center at Houston (UTHealth), Houston, TX
8:15am	43	Contraction associated maternal heart rate decelerations: a pragmatic marker of intrapartum volume status Justin R. Lappen , Edward K. Chien, Brian M. Mercer Case Western Reserve University School of Medicine, Cleveland, OH
8:30am	44	Pain perception during chorionic villus sampling: a randomized controlled trial Patricia Rekawek , Joanne L. Stone, Brittany N. Nobles, Katherine A. Connolly, Catherine A. Bigelow, Stephanie Pan, Jessica Overbey, Angela T. Bianco Icahn School of Medicine at Mount Sinai, New York, NY
8:45am	45	A randomized trial of closed incision negative pressure therapy in morbidly obese women undergoing cesarean delivery Deana J. Hussamy , Alison C. Wortman, Donald D. McIntire, Kenneth J. Leveno, Brian M. Casey, Scott W. Roberts University of Texas Southwestern Medical Center, Dallas, TX
9:00am	46	Reduction of racial disparities in cervical length screening Lorene A. Temming , Nandini Raghuraman, Molly J. Stout, George A. Macones, Methodius G. Tuuli, Alison G. Cahill Washington University School of Medicine in St. Louis, Saint Louis, MO
9:15am	47	Abnormal nuchal translucency with normal NIPT: What are we missing? Tracy B. Grossman , Bodenlos Kimberly, Stephen Chasen Weill Cornell Medical College, New York, NY
9:30am	48	Estimating gestational age from ultrasound fetal biometrics: a comparison of the hadlock and NICHD regression formulas Chase R. Cawyer¹ , Sarah Anderson ¹ , Jeff M. Szychowski ¹ , Daniel Skupski ² , John Owen ¹ ¹ University of Alabama at Birmingham, Center for Women's Reproductive Health, Birmingham, AL, ² New York Presbyterian Hospital Queens, Department of Obstetrics and Gynecology, New York, NY

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FRIDAY, February 2 • 8:00 AM - 10:00 AM • Chantilly Ballroom (continued)

Time	Abstract	Oral Plenary II (Fellows)
9:45am	49	Marijuana use and adverse perinatal outcomes in young mothers Christina E. Rodriguez¹ , Jeanelle Sheeder ¹ , Amanda A. Allshouse ² , Amy Hermes ¹ , Torri D. Metz ^{1,3} ¹ University of Colorado School of Medicine, Aurora, CO, ² Colorado School of Public Health, Aurora, CO, ³ Denver Health and Hospital Authority, Denver, CO

FRIDAY, February 2 • 1:15 PM - 4:00 PM • Grand Ballroom D-E

Time	Abstract	Oral Concurrent 4 - Clinical Ob and Quality & Safety
1:15pm	50	Biomarkers of inflammation in perinatal depression Emily S. Miller , Carol Clayberger, Allie Sakowicz, Archana Roy, Amy Yang, Jody Ciolino, John T. Sullivan, William A. Grobman, Katherine L. Wisner Northwestern University, Chicago, IL
1:30pm	51	Changes in delivery timing for high-risk pregnancies in the United States Sarah E. Little , Julian N. Robinson, Chloe A. Zera Brigham and Women's Hospital, Department of Obstetrics and Gynecology, Boston, MA
1:45pm	52	Maternal obesity without hypertension and diabetes-is the neonate at risk? Brock Polnaszek , Nandini Raghuraman, Julia D. Lopez, Alison G. Cahill Washington University School of Medicine in St Louis, Saint Louis, MO
2:00pm	53	MRI measurements of abnormal placental oxygenation in pregnancies complicated by FGR Emma Ingram¹ , Josephine Naish ¹ , David M. Morris ² , Jenny Myers ¹ , Edward D. Johnstone ¹ ¹ University of Manchester, Manchester, United Kingdom, ² University of Edinburgh, Edinburgh, United Kingdom
2:15pm	54	Ovarian Reserve after uterine artery embolization in women with morbidly adherent placenta Aya Mohr Sasson¹ , Maya Spira ¹ , Rony Rahav ¹ , Dafna Manela ¹ , Eyal Schiff ^{1,2} , Shali Mazaki-Tovi ^{1,2} , Raul Orvieto ^{1,2} , Eyal Sivan ^{1,2} ¹ Department of Obstetrics and Gynecology, Sheba Medical Center, Ramat Gan, Israel, ² Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel
2:30pm	55	The association between hospital acuity and severe maternal morbidity in a nationwide sample Mark A. Clapp , Kaitlyn E. James, Anjali J. Kaimal Massachusetts General Hospital, Department of Obstetrics and Gynecology, Boston, MA
2:45pm	56	Evaluating cardiovascular risk 10 years after preeclampsia Lisa Danielle Levine¹ , Katheryne L. Downes ¹ , Jennifer Lewey ² , Sindhu K. Srinivas ¹ , Zolt Arany ² , Bonnie Ky ² , Michal A. Elovitz ¹ ¹ Maternal and Child Health Research Center; University of Pennsylvania Perelman School of Medicine, Philadelphia, PA, ² Division of Cardiology; University of Pennsylvania Perelman School of Medicine, Philadelphia, PA
3:00pm	57	Risk for postpartum venous thromboembolism readmissions Timothy Wen¹ , Frank Attenello ² , William J. Mack ² , Mary D'Alton ¹ , Alexander Friedman ¹ ¹ Columbia University Medical Center, New York, NY, ² Keck School of Medicine of USC, Los Angeles, CA
3:15pm	58	Association between twin vaginal delivery promotion and twin vaginal birth Sarah Rae Easter , Danielle Panelli, Carolina Bibbo, Michael Saadeh, Sarah E. Little, Daniela Carusi, Julian N. Robinson Brigham and Women's Hospital, Harvard Medical School, Boston, MA
3:30pm	59	Using a multimedia module to enhance patients' recall of cesarean birth informed consent: a randomized control trial Myriam Ferzli¹ , Bianca Stifani ¹ , Xianhong Xie ¹ , Veronica Maria Pimentel ¹ , Maura E. Porricolo ¹ , Deena Goffman ² , Peter Bernstein ¹ ¹ Albert Einstein School of Medicine/Montefiore Medical Center, Bronx, NY, ² Columbia University Medical Center, New York, NY
3:45pm	60	A history of maternal in utero dioxin exposure is associated with cardiac abnormalities in first and second generation progeny Rolanda Lister¹ , Zoe Frimer ² , Tianbing Ding ¹ , Kevin Osteen ¹ , Kaylon Bruner-Tran ¹ ¹ Vanderbilt University Medical Center, Nashville, TN, ² University of Michigan, Ann Arbor, MI

FRIDAY, February 2 • 1:15 PM - 4:00 PM • Chantilly Ballroom East

Time	Abstract	Oral Concurrent 5 - Medical Complications
1:15pm	61	Impact of a surgical site infection bundle on surgical site infection rates in cesarean deliveries Christina Davidson , Jordan Enns, Carrie Dempster, Catherine Eppes Baylor College of Medicine, Houston, TX
1:30pm	62	Pregnancy outcomes after extremely elevated maternal serum analytes Amanda Yeaton-Massey¹ , Rebecca J. Baer ² , Larry Rand ^{3,4} , Laura L. Jelliffe-Pawlowski ³ , Deirdre J. Lyell ¹ ¹ Stanford University, Stanford, CA, ² University of California San Diego, La Jolla, CA, ³ University of California San Francisco, San Francisco, CA, ⁴ California Preterm Birth Initiative, San Francisco, CA
1:45pm	63	Perinatal outcomes associated with abnormal cardiac remodeling measured by echocardiography during pregnancy in women with treated chronic hypertension Anne M. Ambia , Jamie L. Morgan, Scott W. Roberts, C. Edward Wells, David B. Nelson, F. Gary Cunningham University of Texas Southwestern Medical Center, Dallas, TX

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FRIDAY, February 2 • 1:15 PM - 4:00 PM • Chantilly Ballroom East (continued)

Time	Abstract	Oral Concurrent 5 - Medical Complications
2:00pm	64	Elevated sFlt1 levels are associated with cardiac dysfunction Lisa Danielle Levine ¹ , Katherine L. Downes ¹ , Jennifer Lewey ² , Zolt Arany ² , Bonnie Ky ² , Michal A. Elovitz ¹ ¹ Maternal and Child Health Research Center; University of Pennsylvania Perelman School of Medicine, Philadelphia, PA, ² Division of Cardiology; University of Pennsylvania Perelman School of Medicine, Philadelphia, PA
2:15pm	65	State-wide characterization of fetal death between 16 0/7 and 19 6/7 weeks Karen J. Gibbins , Michael W. Varner, Robert M. Silver University of Utah Health, Salt Lake City, UT
2:30pm	66	Performance of risk assessment models for thromboprophylaxis in an obstetric population Antonio Saad , Jacquelynn P. Tran, Shelby Stribling, Uloma Ibezim, Chasey Omere, Kayla McEnery, Luis Pacheco, Gary D. Hankins, George R. Saade The University of Texas Medical Branch, Galveston, TX
2:45pm	67	Improved diagnosis of preeclampsia with severe features and end organ injury using complement activation measurement in urine and plasma Catalina M. Valencia ^{1,2} , Richard Burwick ^{2,3,4} , Jesús A. Velásquez ^{2,5,6} , Jaime L. Silva ^{2,7} , Jorge Gutiérrez-Marín ^{2,8} , Francisco Edna-Estrada ^{2,9} , Juliana Trujillo-Otálvaro ¹⁰ , Yamile Bernal ¹¹ , Alvaro Quintero ¹⁰ , Ana M. Gómez ⁵ , Nataly González ¹² , Carlos Cabas ¹³ , Mónica Rincón ^{2,3} , Viviana Lenis-Ballesteros ⁵ , Jorge E. Tolosa ^{2,3,6} ¹ Clínica Colsanitas S.A, Bogotá, Colombia, ² FUNDARED-MATERNA, Bogotá, Colombia, ³ Oregon Health & Science University, Department of Obstetrics & Gynecology, Division of Maternal Fetal Medicine, Portland, OR, ⁴ Cedars-Sinai Medical Center, Los Angeles, CA, ⁵ Universidad de Antioquia, Hospital Universitario San Vicente Fundación, Medellín, Colombia, ⁶ Universidad de Antioquia, Departamento de Obstetricia y Ginecología; NACER Salud Sexual y Reproductiva, Medellín, Colombia, ⁷ Hospital Universitario San Ignacio, Pontificia Universidad Javeriana, Bogotá, Colombia, ⁸ Clínica Universitaria Bolivariana, Universidad Pontificia Bolivariana, Medellín, Colombia, ⁹ ESE Clínica de Maternidad Rafael Calvo, Grupo de Investigación Maternidad Segura, Cartagena, Colombia, ¹⁰ Hospital General de Medellín, Luz Castro de Gutiérrez ESE, Medellín, Colombia, ¹¹ Laboratorio Clínico Sanitas - Clínica Colsanitas S.A.- Grupo de Investigación INPAC, Bogotá, Colombia, ¹² Universidad de Cartagena-ESE Clínica de Maternidad Rafael Calvo, Cartagena, Colombia, ¹³ Universidad del Sinú-ESE Clínica de Maternidad Rafael Calvo, Cartagena, Colombia
3:00pm	68	Avoiding NSAIDs postpartum for hypertensive disorders: a premature decision? Lauren Campbell ¹ , Hannah B. Anastasio ² , Alison Buermeyer ³ , Syndy Moreno ⁴ , Cornia Schoen ⁵ , Vincenzo Berghella ² , Amanda Roman ² ¹ Department of Obstetrics and Gynecology, Thomas Jefferson University Hospital, Philadelphia, PA, ² Division of Maternal Fetal Medicine Thomas Jefferson University Sidney Kimmel Medical College, Philadelphia, PA, ³ Sidney Kimmel Medical College at Thomas Jefferson University, Philadelphia, PA, ⁴ Obstetrics and Gynecology Department, Flushing Hospital Medical Center, Flushing, NY, ⁵ Department of Obstetrics and Gynecology, Division of Maternal Fetal Medicine, Baystate Medical Center, Springfield, MA
3:15pm	69	Defining gestational thrombocytopenia Jennifer J. McIntosh ¹ , Jessica Reese ² , David Deschamps ² , Jennifer Peck ² , Sara Vesely ² , Deirdra Terrell ² , James George ² ¹ Medical College of Wisconsin, Milwaukee, WI, ² University of Oklahoma Health Sciences Center, Oklahoma City, OK
3:30pm	70	Administration of carboprost and intravenous labetalol to asthmatic patients during delivery hospitalizations Whitney A. Booker , Yongmei Huang, Cande V. Ananth, Jason D. Wright, Kirsten L. Cleary, Mary E. D'Alton, Alexander M. Friedman Columbia University, New York, NY
3:45pm	71	Causes and timing of death in offspring of pregnancies complicated by hypertensive disease of pregnancy Ibrahim A. Hammad ^{1,2} , Huong Meeks ¹ , Alison Fraser ¹ , Sean Esplin ^{1,2} , Ken R. Smith ^{1,3} , Michael W. Varner ^{1,2} ¹ University of Utah Health, Salt lake city, UT, ² Intermountain Healthcare, Salt Lake City, UT, ³ Department of Family & Consumer Studies, Salt Lake City, UT

FRIDAY, February 2 • 1:15 PM - 4:00 PM • Chantilly Ballroom West

Time	Abstract	Oral Concurrent 6 - Infectious Disease and Metabolism
1:15pm	72	Dysbiosis of the cervicovaginal microbiome and decreased fertility occur in a nonhuman primate model of PCOS Christina Megli ¹ , Amanda Prince ² , Diana Takahashi ³ , Cecily Bishop ³ , Richard Stouffer ³ , Kjersti Aagaard ² ¹ Magee-Womens Hospital Research Institute, University of Pittsburgh School of Medicine, Dept of OB/GYN/RS, Division of MFM, Pittsburgh, PA, ² Obstetrics and Gynecology, Baylor College of Medicine, Houston, TX, ³ Oregon National Primate Research Center, Beaverton, OR
1:30pm	73	Importance of placental testing in congenital zika virus (ZIKV) infection and fetal malformation syndrome Michelle Turley ^{*1} , Gregory Valentine ^{*1} , Maxim Seferovic ¹ , Martha Rac ¹ , Carey Eppes ¹ , Angela Major ¹ , Eumenia Castro ¹ , Brianna Sanchez ² , James Dunn ¹ , James Versalovic ¹ , Magdalena Sanz Cortes ¹ , Timothy Stout ¹ , Gail Harrison ¹ , Michael Belfort ¹ , Kjersti Aagaard ¹ ¹ Baylor College of Medicine, Houston, TX, ² University of Texas El Paso, El Paso, TX
1:45pm	74	Maternal obesity is associated with decreased placental cfDNA release in a mouse model Mohak Mhatre ¹ , Sharareh Adeli ² , Errol Norwitz ¹ , Sabrina Craigo ¹ , Mark Phillippe ² , Andrea Edlow ¹ ¹ Mother Infant Research Institute and Division of Maternal-Fetal Medicine, Tufts Medical Center, Boston, MA, ² Vincent Center for Reproductive Biology, Massachusetts General Hospital, Boston, MA
2:00pm	75	The ROLO study mothers - glucose metabolism and body composition 5 years' after a pregnancy dietary intervention Eileen C. O'Brien ¹ , Aisling A. Geraghty ¹ , Elizabeth J. O'Sullivan ¹ , Julie A. Riordan ² , Mary K. Horan ¹ , Elizabeth Larkin ¹ , Jean Donnelly ¹ , John Meaghan ³ , Patrick J. Twomey ² , Fionnuala M. McAuliffe ¹ ¹ UCD Perinatal Research Center, National Maternity Hospital, University College Dublin, Dublin, Ireland, ² School of Medicine, University College Dublin, St. Vincent's University Hospital, Dublin, Ireland, ³ UCD School of Public Health, Physiotherapy and Sports Science, University College Dublin, Dublin, Ireland

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FRIDAY, February 2 • 1:15 PM - 4:00 PM • Chantilly Ballroom West (continued)

Time	Abstract	Oral Concurrent 6 - Infectious Disease and Metabolism
2:15pm	76	Maternal and neonatal outcomes in relation to adoption of the 1-step approach to identifying gestational diabetes mellitus Gaia Pocobelli ¹ , Onchee Yu ¹ , Sharon Fuller ¹ , James Fraser ¹ , Paige Wartko ^{1,2} , Lu Chen ¹ , Katherine M. Newton ¹ , David McCulloch ¹ , Susan Warwick ¹ , Sascha Dublin ^{1,2} ¹ Kaiser Permanente Washington, Seattle, Washington, WA, ² University of Washington, Seattle, WA
2:30pm	77	The effect of gestational diabetes mellitus on the plasma proteome of children at 5-10 years of age Egle Bytautiene Prewit for the Eunice Kennedy Shriver National Institute of Child Health and Human Development Maternal-Fetal Medicine Units Network, Bethesda, MD, United States, Bethesda, MD
2:45pm	78	Multi-gene NGS panel yields high diagnostic rate of skeletal dysplasias detected by fetal ultrasound Lisa M. Vincent , Elizabeth Kramer Dugan, Tara Funari, Gabriele Richard, Jeanne Meck GeneDx, Gaithersburg, MD
3:00pm	79	How much is too much when it comes to cell free DNA GENOME testing? Natalie Porat , Zoe Nelson, Dyese Taylor, Melissa Chu Lam, Zainab Al-Ibraheemi, Emily Boniferro, Elizabeth Bazinet, Barak Rosenn Icahn School of Medicine at Mount Sinai, New York, NY
3:15pm	80	Chromosomal microarray analysis of over 45,000 prenatal patients: Significance and efficacy as a first tier diagnostic test Stuart Schwartz , Romela Pasion, Huong Cabral, Rachel Burnside, Inder Gadi, Karen Phillips, Mary K. Rudd, Justin Schleede, James Tepperberg, Peter Papenhausen Laboratory Corporation of America, Research Triangle Park, NC
3:30pm	81	Group prenatal care model use in pre-gestational diabetes Danielle Tate , April Miller, Kristie Ramser, Ashley Harris, Jennifer Price, Linda Moses-Simmons, Luis Gomez University of Tennessee, Memphis, TN
3:45pm	82	Abdominal computed tomography (CT) scan in the evaluation of refractory puerperal fever: Impact on management Michal Fishel Bartal ¹ , Baha Sibai ² , Tali Ben-Mayor Bashi ¹ , Ayelet Dangot ¹ , Irit Eisen ¹ , Mordechai Dulitzki ¹ , Yael Inbar ¹ , Shali Mazaki-Tovi ¹ , Israel Hendler ¹ ¹ Tel Hashomer, Ramat Gan, Israel, ² University of Texas Health Science Center at Houston, Houston, TX

SATURDAY, February 3 • 8:45 AM - 11:30 AM • Grand Ballroom D-E

Time	Abstract	Oral Concurrent 7 - Fetal Therapy and Genetics
8:45am	83	The effects of partial amniotic carbon dioxide insufflation in an ovine model Sasha Skinner ¹ , Benjamin Amberg ¹ , Kelly Crossley ¹ , Aidan Kashyap ¹ , Stuart Hooper ¹ , Jan Deprest ^{2,3} , Ryan Hodges ^{1,4} , Philip DeKoninck ^{1,4} ¹ The Ritchie Centre, Hudson Institute of Medical Research, Melbourne, Australia, ² Department of Obstetrics and Gynaecology, Division Woman and Child, University Hospitals Leuven, Leuven, Belgium, ³ Department of Development and Regeneration, Cluster Organ Systems, Faculty of Medicine, Leuven, Belgium, ⁴ The Department of Obstetrics and Gynaecology, Monash University, Melbourne, Australia
9:00am	84	Performance of third trimester biometry for gestational age assessment in low resource settings: Results of the multi-country, population-based WHO AMANHI Late Pregnancy Dating Study Blair J. Wylie , WHO Alliance for Maternal and Newborn Health Improvement (AMANHI) Late Pregnancy Dating Study Group Beth Israel Deaconess Medical Center, Boston, MA
9:15am	85	Performance of cervical length screening in african american women Katherine Bligard , Lorene A. Temming, Molly J. Stout, Methodius G. Tuuli, George A. Macones, Alison G. Cahill Washington University School of Medicine in St. Louis, St. Louis, MO
9:30am	86	Functional and anatomical integrity of spinal cord after in-utero spina bifida repair using cryopreserved human umbilical cord (HUC) Patch vs. Conventional repair (CR) in a sheep model Ramesha Papanna ¹ , Lovepreet K. Mann ¹ , Jong H. Won ¹ , Thai Vu ¹ , Stephen Fletcher ¹ , Ranu Jain ² , Kenneth J. Moise Jr. ¹ , Anthony Johnson ¹ , Rajan Patel ³ , Ponnada Narayana ³ , Raymond Grill 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 Department of Anesthesia, Gynecology and Reproductive Sciences McGovern Medical School at The University of Texas Health Science Center at Houston (UTHealth), Houston, TX, ³ Department of Radiology, McGovern Medical School at The University of Texas Health Science Center at Houston (UTHealth), Houston, TX, ⁴ Department of Neurobiology and Anatomical Sciences, University of Mississippi Medical Center, Jackson, MS
9:45am	87	Biomarkers in amniotic fluid at the time of fetal myelomeningocele surgery predict premature rupture of membranes Antonio Moron ^{1,2} , Aikaterini V. Athanasiou ³ , Mauricio M. Barbosa ^{1,2} , Herbene J. Milani ^{1,2} , Stephanno G. Sarmento ^{1,2} , Sergio Cavalheiro ^{1,2} , Steven S. Witkin ³ ¹ Federal University of Sao Paulo, Sao Paulo, Brazil, ² Hospital and Maternity Santa Joana, Sao Paulo, Brazil, ³ Weill Cornell Medicine, New York, NY
10:00am	88	Postnatal follow up of infants who underwent prenatal fetoscopic and open neural tube defect repair Magdalena Sanz-Cortes ^{1,2} , Paola Torres ^{2,3} , Mayel Yepez ^{1,2} , Dina Sharhan ^{2,3} , Alireza A. Shamshirsaz ^{3,4} , Jimmy Espinoza ^{1,2} , Jonathan P. Castillo ^{2,5} , Heidi Castillo ^{2,5} , Kathryn Ostermaier ^{2,5} , William Whitehead ^{2,6} , Michael A. Belfort ^{1,2} ¹ Department of Obstetrics and Gynecology, Baylor College of Medicine, Houston, TX, ² Texas Children's Hospital, Houston, TX, ³ Department of Obstetrics and Gynecology, Baylor College of Medicine, Houston, TX, ⁴ Texas Children's Hospital, Houston, TX, ⁵ Department of Developmental Pediatrics, Baylor College of Medicine, Houston, TX, ⁶ Department of Neurosurgery, Baylor College of Medicine, Houston, TX

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SATURDAY, February 3 • 8:45 AM - 11:30 AM • Grand Ballroom D-E (continued)

Time	Abstract	Oral Concurrent 7 - Fetal Therapy and Genetics
10:15am	89	Fetal endoscopic tracheal occlusion (FETO) Reduces pulmonary hypertension in severe congenital diaphragmatic hernia (CDH) Candace C. Style , Oluyinka O. Olutoye, Michael A. Belfort, Stephanie M. Cruz, Patricio E. Lau, Alireza A. Shamshiraz, Timothy C. Lee, Olutoyin A. Olutoye, Caraciolo J. Fernandes, Magdalena Sanz Cortes, Sundeep G. Keswani, Jimmy Espinoza Baylor College of Medicine, Houston, TX
10:30am	90	Neonatal head circumference in newborns with NAS versus controls Craig V. Towers , Branson Hyatt, Lindsey Chernicky, Katie Chattin, Kevin Visconti, Kimberly Fortner University of Tennessee Medical Center, Knoxville, TN
10:45am	91	Variation in transvaginal cervical length over time during single transvaginal exam Katherine A. Connolly , Luciana Vieira, Elizabeth Yoselevsky, Joanne Stone Icahn School of Medicine at Mount Sinai, New York, NY
11:00am	92	Impact of timing of delivery on neonatal and maternal outcomes for women with three previous caesarean deliveries Noelle Breslin , Emilie Vander Haar, Alexander Friedman, Cassandra Duffy, Cynthia Gyamfi-Bannerman Columbia University Medical Center, New York, NY
11:15am	93	Induction of labor at term with a live fetus: is 25µg of vaginal misoprostol non inferior to slow release 10mg PGE2 Pessary? CYTOPRO, A french multicentre randomized controlled trial, (NCT01765881) Christophe Vayssiere ^{1,2} , Adrien Gaudineau ³ , Adeline Gallini ^{2,4} , Patrick Rozenberg ⁵ , Mathieu Morin ¹ , Emmanuel Roth ³ , Emma Orusco ⁶ , Sophie Javoise ⁵ , Julie Fort ⁵ , Cedric Lavergne ⁷ , Virginie Ehlinger ² , Marie-Victoire Senat ⁶ , Catherine Arnaud ^{2,4} , for the French Network, Research Group in Obstetrics and Gynecology (GROG) ¹ Paule de Viguier Hospital CHU Toulouse, Toulouse, France, ² INSERM UMR 1027, Université Toulouse III, Toulouse, France, ³ Hôpitaux universitaires de Strasbourg, Strasbourg, France, ⁴ Clinical Epidemiology Unit, CHU Toulouse, Toulouse, France, ⁵ Centre Hospitalier Intercommunal de Poissy, Poissy, France, ⁶ Hôpital Bicêtre, Le Kremlin-Bicêtre, France, ⁷ Pharmacie Essais Cliniques, CHU Toulouse, Toulouse, France

SATURDAY, February 3 • 8:45 AM - 11:30 AM • Cortez Ballroom

Time	Abstract	Oral Concurrent 8 - Clinical Ob 2
8:45am	94	Association of neighborhood-level racial residential segregation with adverse pregnancy outcomes Arturo Salow ¹ , Lindsay R. Pool ² , William A. Grobman ^{2,3} , Kiarri N. Kershaw ² ¹ Northwestern University Feinberg School of Medicine, Chicago, IL, ² Northwestern University Feinberg School of Medicine Department of Preventive Medicine, Chicago, IL, ³ Department of Obstetrics & Gynecology Northwestern Medical Group, Chicago, IL
9:00am	95	Outcome of induction of labor versus expectant management among obese women at or after 39 weeks Anna Palatnik ¹ , Michelle Kominiarek ² ¹ Medical College of Wisconsin, Milwaukee, WI, ² Northwestern University, Feinberg School of Medicine, Chicago, IL
9:15am	96	Hyperoxygenation therapy in the third trimester leads to hemodynamic changes in maternal circulation Ann McHugh ¹ , Liam Dwyer ² , Colm Breathnach ³ , Elizabeth Tully ¹ , Orla Franklin ⁴ , Afif El-Khuffash ³ , Fionnuala Breathnach ¹ ¹ Obstetrics & Gynecology, Royal College of Surgeons in Ireland, Dublin, Ireland, ² Royal College of Surgeons in Ireland, Dublin, Ireland, ³ Neonatology, The Rotunda Hospital, Dublin, Ireland, ⁴ Pediatric Cardiology, Our Lady Children's Hospital, Crumlin, Dublin, Ireland
9:30am	97	Effect of vaginal preparation prior to cesarean delivery on surgical site infections Mauricio La Rosa , C/SOAP Consortium UTMB, Galveston, TX
9:45am	98	Neonatal outcomes according to second twin presentation after vaginal delivery of the first twin Thomas Schmitz ¹ , Diane Korb ¹ , Catherine Battie ² , Anne-Gael Cordier ³ , Céline De Carné Carnavalet ⁴ , Céline Chaleur ⁵ , Véronique Equy ⁶ , Bassam Haddad ⁷ , Delphine Lemerrier ⁸ , Christophe Poncelet ⁹ , Anna Ramos ¹⁰ , Luc Rignonnot ¹¹ , François Goffinet ^{1,2} , for the JUMODA study group and the GROG (Groupe de Recherche en Obstétrique et Gynécologie) ¹ Hôpital Robert Debré, AP-HP, Paris, France, ² Hospices civils de Lyon, Hôpital Femme Mère Enfant, Lyon, France, ³ Hôpital Antoine Bécclère, AP-HP, Clamart, France, ⁴ Hôpital Armand Trousseau, AP-HP, Paris, France, ⁵ CHU de Saint-Etienne, Saint-Etienne, France, ⁶ CHU de Grenoble, Grenoble, France, ⁷ Centre Interhospitalier de Créteil, Créteil, France, ⁸ Hôpital Necker Enfants Malades, AP-HP, Paris, France, ⁹ Hôpital René Dubos, Pontoise, France, ¹⁰ CHR d'Orléans, Orléans, France, ¹¹ Centre hospitalier sud francilien, Corbeil-Essonnes, France, ¹² InsERM U1153, Equipe Epopé, Paris, France
10:00am	99	The association between the number of vacuum pop-offs and adverse neonatal outcomes Salwa Zahalka , Emily S. Miller Northwestern University Feinberg School of Medicine, Chicago, IL
10:15am	100	To stitch or not to stitch in singleton pregnancy with progressively shortening incidental extreme short cervix on vaginal progesterone Christopher A. Enakpene ¹ , Megan Marshall ² , Tiffany Jones ² , Dimitrios Mastrogiannis ¹ , Laura DiGiovanni ¹ , Micaela Della Torre ¹ ¹ Division of Maternal Fetal Medicine, Dept of OBGYN, University of Illinois at Chicago, Chicago, IL, ² College of Medicine, University of Illinois at Chicago, Chicago, IL
10:30am	101	Patterns of opiate prescribing following cesarean birth Alison M. Stuebe ¹ , Christine P. McKenzie ¹ , Christine Tucker ² , Kristin Tully ² , Katherine Bryant ¹ , Sarah Verbiest ³ ¹ University of North Carolina School of Medicine, Chapel Hill, NC, ² Gillings School of Global Public Health, Chapel Hill, NC, ³ University of North Carolina School of Social Work, Chapel Hill, NC

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SATURDAY, February 3 • 8:45 AM - 11:30 AM • Cortez Ballroom (continued)

Time	Abstract	Oral Concurrent 8 - Clinical Ob 2
10:45am	102	Perinatal outcome of pregnancies with an intrauterine contraceptive device Gali Pariente¹ , Tamar Wainstock ² , Eyal Sheiner ¹ ¹ Soroka University Medical Center, Beer Sheva, Israel, ² Ben Gurion University of the Negev, Beer Sheva, Israel
11:00am	103	Pregnancies complicated by hypertensive disease demonstrate a high resistance vasculature in the postpartum period- results of the prospective HANDLE study Cathy Monteith¹ , Colm R. Breathnach ¹ , Lisa McSweeney ¹ , Ronan Sugrue ² , Adam James ¹ , Patrick Dicker ¹ , Ann Doherty ² , Elizabeth C. Tully ¹ , Fergal D. Malone ¹ , Afif EL-Khuffash ² , Etaoin Kent ² ¹ RCSI, Dublin, Ireland, ² Rotunda Hospital, Dublin, Ireland
11:15am	104	Is more than one dose of misoprostol needed to expedite vaginal delivery in a patient with an unripe cervix? - A randomized controlled study Veronica Maria Pimentel¹ , Moona Arabkhaaeli ² , Jee-Young Moon ² , Alexander Wang ² , Arisa Kapedani ² , Peter S. Bernstein ² , Pamela Tropper ² ¹ Saint Francis Hospital and Medical Center, Hartford, CT, ² Albert Einstein College of Medicine / Montefiore Medical Center, Bronx, NY

SATURDAY, February 3 • 8:45 AM - 11:30 AM • Coronado Ballroom

Time	Abstract	Oral Concurrent 9 - Basic Science 2
8:45am	105	Pravastatin prevents blood pressure elevations in hypertensive pregnant rats Laura G. Willingham , Mauro Schenone, Fernand Samson, Giancarlo Mari, Danielle Tate UTHSC, Memphis, TN
9:00am	106	Novel MRI detection of impaired placental blood flow and fetal oxygen reserve in a non-human primate model of gestational protein restriction Jamie Lo , Matthias Schabel, Victoria Roberts, Antonio Frias Oregon Health & Science University, Portland, OR
9:15am	107	Fetal exosome profile of microRNA in labor signaling Stacy M. Yadava , Mayra Cruz Ithier, Andrew Feng, Natalia Parobchak, Bingbing Wang, Todd Rosen Rutgers Robert Wood Johnson University Hospital, New Brunswick, NJ
9:30am	108	Adipose tissue inflammation stimulates adrenomedullin expression and contributes to lipid metabolic dysregulation in diabetic pregnancies Yuanlin Dong^{1,2} , Ancizar Betancourt ^{1,2} , Michael Belfort ^{1,2} , Chandra Yallampalli ^{1,2} ¹ Baylor College of Medicine, Houston, TX, ² Texas Children's Hospital, Houston, TX
9:45am	109	Plasma endothelin-1, arterial stiffness, and mean arterial pressure in the first trimester are predictive of the diagnosis of preeclampsia Alexandria Betz , Gary Pierce, Donna Santillan, Eric Devor, Sabrina Scroggins, Debra Brandt, Amy Stroud, Kellie Thomas, Allison O'Deen, Seth Holwerda, Lyndsey DuBose, Justin Grobe, Curt Sigmund, Mark Santillan University of Iowa Hospitals and Clinics, Iowa City, IA
10:00am	110	Proteasome levels and activity are altered in human pregnancy in the setting of intra-amniotic infection, inflammation (IAI) and preterm birth Courtney A. Ware¹ , Catalin S. Buhimschi ¹ , Guomao Zhao ² , Michael Cackovic ¹ , Mert O. Bhtiyer ³ , Irina A. Buhimschi ² ¹ The Ohio State University College of Medicine, Columbus, OH, ² Nationwide Children's Hospital Center for Perinatal Research, Columbus, OH, ³ Yale School of Medicine, New Haven, CT
10:15am	111	IL-1 signaling mediates IL-6 expression at the maternal-fetal interface during intrauterine inflammation (IUI) Cynthia Roland¹ , Paranthaman Senthamarai Kannan ² , Claire A. Chougnet ² , Alan H. Jobe ² , Suhas G. Kallapur ² ¹ University of Cincinnati, Cincinnati, OH, ² Cincinnati Childrens Hospital Medical Center, Cincinnati, OH
10:30am	112	Neutralization of Fas Ligand reduces placental inflammation and endothelial damage in an animal model of HELLP syndrome Jacob D. Gibbens , Shauna-Kay Spencer, Taylor Bowles, Patrick B. Kyle, Cynthia Bean, Kedra Wallace University of Mississippi Medical Center, Jackson, MS
10:45am	113	Taxonomic changes of placental microbes with bacterial-metabolized ursodeoxycholic acid treatment in IHCP is indicative of a functional placental microbiome Maxim D. Seferovic , Ryan M. Pace, Kristen M. Meyer, Michael Beninati, Derrick M. Chu, Xing Liu, Feng Li, Kjersti Aagaard Baylor College of Medicine, Houston, TX
11:00am	114	Effects of maternal oxytocin on gene expression in the brains of perinatal and neonatal mice Frances F. Hsieh¹ , Ilya Korsunsky ² , Gopal Kumar ² , Prodyot Chatterjee ² , Xiangying Xue ² , Burton Rochelson ¹ , Christine Metz ² ¹ Hofstra-Northwell School of Medicine, Division of Maternal-Fetal Medicine, Manhasset, NY, ² Feinstein Institute for Medical Research, Manhasset, NY

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SATURDAY, February 3 • 8:45 AM - 11:30 AM • Coronado Ballroom (continued)**Time Abstract Oral Concurrent 9 - Basic Science 2**

11:15am	115	Contribution of the fetal microbiome to the taxonomic diversity and functionality of the postnatal gut microbiome in a non-human primate (NHP) model Derrick Chu ¹ , Amanda Prince ¹ , Jun Ma ¹ , Ryan Pace ¹ , Diana Takahashi ² , Jed Friedman ³ , Paul Kievit ² , Elinor Sullivan ² , Kevin Grove ² , Kjersti Aagaard ¹ ¹ Baylor College of Medicine, Houston, TX, ² Oregon Health and Science University, Portland, OR, ³ University of Colorado - Denver, Denver, CO
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