

Day 1 - Monday, Sep 28, 2026

Welcome & Opening Remarks

7:55-8:00 Monday, Sep 28

Session 1 CNS/MMC1

8:00-9:25 Monday, Sep 28

Chairs : Stephen Emery & Aimen Shaaban

- 8:00 **01-001** **Ultrasound-guided intrauterine embolization of a large Vein of Galen malformation**
Rodrigo Ruano (University of Miami & Jackson Memorial Hospital)
- 8:04 **01-002** **Spectrum of Fetal Imaging Findings Pre- and Post- In Utero Embolization for Vein of Galen Malformation**
Ryne Didier (Boston Childrens Hospital Radiology)
- 8:10 **01-003** **Fetal aqueductal stenosis: in utero progression and criteria for fetal intervention**
Yada Kunpalin (University of Toronto Obstetrics and Gynaecology)
- 8:16 **01-004** **North American Fetal Therapy Network: Neurodevelopmental outcomes at ages 1 and 2 in children diagnosed prenatally with isolated aqueductal stenosis**
Stephen Paul Emery (UPMC Magee-Womens Hospital Obstetrics, Gynecology, and Reproductive Sciences)
- 8:20 **01-005** **Prenatal Findings and Postnatal Outcomes in Closed Spinal Dysraphisms**
jean-Marie Jouannic (Armand Trousseau Hospital, APHP Sorbonne University Fetal Medicine)
- 8:24 **01-006** **"Saccular Limited Dorsal Myeloschisis: A New Indication for Prenatal Surgery? Case Series and Scoping Review"**
JOSE MIGUEL MULLER (Hospital Franco Ravera Zunino Neurosurgery)
- 8:28 **01-007** **Atlanto-occipital membrane bulging as an early sign of evolving hindbrain herniation in open spinal dysraphism**
Ivonne Bedei (Justus-Liebig University Giessen, Germany Prenatal Diagnosis and Fetal Therapy , Aarhus University, Denmark Institute of Molecular Medicine)
- 8:32 **01-008** **Outcomes Following Fetal Open Spina Bifida Repair May Differ Depending on Level of Lesion**
Abby Christine Larson (Childrens Hospital Colorado Colorado Fetal Care Center , University of Colorado Department of Surgery)
- 8:38 **01-009** **Ultrasound Estimation of Fetal Calf Muscle Volume in Spina Bifida and Association with Postnatal Motor Outcomes**
Roopali Donepudi (Baylor College of Medicine OBGYN, Division of MFM)
- 8:42 **01-010** **Brain oedema as an imaging marker of surgical success and postnatal shunt requirement in fetuses with open spinal dysraphism undergoing prenatal repair**
Ivonne Bedei (Justus-Liebig-University, Giessen, Germany Prenatal Diagnosis and Fetal Therapy , Aarhus University, Aarhus, Denmark. Department of Molecular Medicine)
- 8:46 **01-011** **Spina Bifida Lesion Types with Associated Clinical Outcomes at 12 months in Children after Fetoscopic Spina Bifida Repair**
Lovepreet Kaur Mann (UTHealth Houston Fetal Institute, University of Texas McGovern Medical School Obstetrics and Gynecology)
- 8:50 **01-012** **Limited utility of bedside observation to predict sleep-disordered breathing in neonates with myelomeningocele**
Jagruhi Shah Anadkat (Washington University in St. Louis Pediatrics)
- 8:54 **Pooled Q&A : 31mins**
- 9:25 **Refreshment Break : 15mins**

Session 2 MMC2

9:40-10:40 Monday, Sep 28

Chairs : Gregory G Heuer & Miho Watanabe

- 9:40 **02-013 Fetal Repair, Fewer Shunts: Contemporary Outcomes of Fetal Surgery for Myelomeningocele**
Alyssa Marie Joachim (Rady Childrens Health Orange County Division of Pediatric General and Thoracic Surgery , University of California - San Diego Department of General Surgery)
- 9:44 **02-014 Fetal Myelomeningocele Repair in Fetuses with Fetal Growth Restriction: A Single-Center Case Series and Cohort Comparison**
Amanda M Kalan (Cleveland Clinic Cleveland Clinic Fetal Center)
- 9:48 **02-015 Longitudinal Evaluation of Ambulatory Outcomes Following Prenatal Open Repair of Myelomeningocele**
Arun Kelay (UCL Great Ormond Street Institute of Child Health Developmental Biology & Cancer , Great Ormond Street Hospital for Children Specialist Neonatal & Paediatric Surgery)
- 9:52 **02-016 Meta-Analysis of Medium to Long-Term Neuroprotective Outcomes after Prenatal Spina Bifida Repair**
Arun Kelay (UCL Great Ormond Street Institute of Child Health Developmental Biology & Cancer , Great Ormond Street Hospital for Children Specialist Neonatal & Paediatric Surgery)
- 9:56 **02-017 Fetoscopic versus Open Approaches to Fetal Myelomeningocele Closure, A Single Institution Experience**
Caitlin Eason (Childrens Hospital Colorado Surgery)
- 10:00 **02-018 Path to and early experience of fetoscopic myelomeningocele repair at the Grant Scott Bonham Fetal Center in Salt Lake City, Utah**
Stephen J Fenton (Univeristy of Utah Spencer Fox Eccles School of Medicine Department of Surgery , Intermountain Primary Childrens Hospital Grant Scott Bonham Fetal Center)
- 10:04 **02-019 Fetal Heart Rate Monitoring in Fetal Myelomeningocele Repair: Open Versus Fetoscopic Surgical Approaches**
Cathleen Pruitt (Childrens Minnesota Midwest Fetal Care Center , Childrens Minnesota Childrens Heart Clinic)
- 10:08 **02-020 Reversal of Hindbrain Herniation in Infants Undergoing Fetal Myelomeningocele (fMMC) Repair**
Kyle Halvorson (Childrens Minnesota Neurosurgery , Midwest Fetal Care Center)
- 10:12 **02-021 Early Outcomes of Antibiotic Stewardship in Infants Undergoing Fetal Myelomeningocele (fMMC) Repair**
Kyle Halvorson (Childrens Minnesota Neurosurgery , Midwest Fetal Care Center)
- 10:16 **02-022 Cervico-uterine rupture: a rare and harrowing occurrence following fetoscopic myelomeningocele repair**
Stephen J Fenton (University of Utah Spencer Fox Eccles School of Medicine Department of Surgery , Intermountain Primary Childrens Hospital Grant Scott Bonham Fetal Center)
- 10:20 **Pooled Q&A : 20mins**
- 10:40 **Refreshment Break : 15mins**

Session 3 MMC3

10:55-12:20 Monday, Sep 28

Chairs : Jan Deprest & Ueli Moehrlen

- 10:55 **03-023** **Evolution of Care in the Post-MOMS Era: A Decade of Single-Center Experience Comparing Fetal Repair versus Postnatal Closure of Myelomeningocele**
Gregory G. Heuer (Children's Hospital of Philadelphia)
- 11:01 **03-024** **Sequential Analysis of Operative Times and Perinatal Outcomes in Fetoscopic Myelomeningocele Repair**
Paul Park (Columbia University Irving Medical Center Division of Pediatric Surgery)
- 11:05 **03-025** **From Repair to Re-tethering: Defining the burden of tethered cord syndrome and spinal inclusion cyst formation following fetoscopic myelomeningocele closure**
Smruti K Patel (Cincinnati Childrens Hospital Medical Center Division of Pediatric Neurosurgery , Cincinnati Childrens Hospital Medical Center Fetal Care Center , University of Cincinnati College of Medicine Department of Neurological Surgery)
- 11:09 **03-026** **From Safety to Efficacy: An Update on Phase 2 of the Cellular Therapy for in Utero Repair of Myelomeningocele (CuRe) Trial**
David Rosas (University of California, Davis Surgery)
- 11:15 **03-027** **Interim Update from the HUC-FICS Phase III Trial: Fetoscopic In-Utero Spina Bifida Repair Using a Cryopreserved Human Umbilical Cord Meningeal Patch**
Ramesha Papanna (UTHealth Houston Fetal Institute, University of Texas McGovern Medical School Obstetrics and Gynecology)
- 11:21 **03-028** **ROBOTIC PLATFORMS IN FETAL SURGERY: A Comparative Analysis on Fetoscopic Spina Bifida Repair Simulation.**
Jose L. PEIRO (NYU Langone Health NYULH Advanced Fetal Care Center , New York University NYU Grossman School of Medicine)
- 11:27 **03-029** **Establishment of a large-animal model in ovine spina bifida through the PASTURES consortium**
Michael Beninati (University of Wisconsin Fetal Intervention)
- 11:33 **03-030** **Postnatal Spinal Cord and Lower Back Growth in Healthy Lambs: A Reference for Prenatal Spina Bifida Repair**
Norah M Ramesha (University of Texas McGovern Medical School at Houston Obstetrics and Gynecology , St. Thomas Episcopal School at Houston)
- 11:37 **03-031** **Deconvolution of Amniotic Fluid Transcriptomes Suggests Cell-Type and Transcriptomic Signatures in Myelomeningocele ****
April Angelica Carlson (Rady CHOC Department of Pediatric Surgery)
- 11:43 **03-148** **Perinatal Mental Health Program in the Colorado Fetal Care Center**
Teresa Harper (Childrens Hospital Colorado Colorado Fetal Care Center , Anschutz Medical Campus Obstetrics and Gynecology, Division of Maternal-Fetal Medicine)
- 11:47 **Pooled Q&A : 33mins**
- 12:30 **Lunch : 50mins**

Session 4 Cardiovascular

13:20-14:30 Monday, Sep 28

Chairs : Lisa Howley & Reuven Achiron

- 13:20 **04-032 Preliminary results from 5 years of the STOP BLOQ study (Surveillance To Prevent AV Block Likely to Occur Quickly)**
Lisa Howley (Childrens Minnesota Pediatric Cardiology , Midwest Fetal Care Center Pediatric Cardiology)
- 13:26 **04-033 Neonatal ECG results of the STOP BLOQ study (Surveillance To Prevent AV Block Likely to Occur Quickly)**
Lisa Howley (Childrens Minnesota Pediatric Cardiology , Midwest Fetal Care Center Pediatric Cardiology)
- 13:30 **04-034 Risk-Stratified vs. Universal Screening for Fetal Congenital Heart Block in Anti-SSA/SSB Pregnancies: A Decision-Analytic Simulation of Multiple Surveillance Strategies**
Pe'er Dar (Montefiore Medical Center, Albert Einstein College of Medicine, NY USA Obstetrics and Gynecology and Women's Health)
- 13:34 **04-035 Multi-center generalizability for deep-learning-enabled congenital heart disease screening**
Rima Arnaout (University of California, San Francisco Medicine , University of California, San Francisco Pediatrics)
- 13:40 **04-036 Expanding Fetal Cardiac Care Through Telehealth**
Whitnee Hogan (University of Utah Pediatrics)
- 13:44 **04-037 International Fetal Cardiac Intervention Registry: 25-Years of Worldwide Outcomes and Future Directions ****
Thomas Sequeira Przybycien (University of California San Francisco Pediatric Cardiology)
- 13:50 **04-038 Fetal Cardiac Rhabdomyoma: Prenatal Diagnosis, Management, and Postnatal Outcomes — A Single-Center Cohort**
Devangi Mahtani (UTHealth Houston Fetal Institute Sami Backley , Division of Fetal Intervention Department of Obstetrics, Gynecology and Reproductive Sciences, McGovern Medical School at UTHealth Houston, Houston, TX, USA)
- 13:54 **04-039 Impact of Social Drivers of Health on Fetal Growth in Critical Congenital Heart Disease**
Cathleen Pruitt (Childrens Minnesota Midwest Fetal Care Center , Childrens Minnesota Childrens Heart Clinic)
- 13:58 **04-040 Chorio Vitelline Placenta (CVP) A cryptic Fetal Anomaly; In Utero Ultrasonographic Study**
REUVEN ACHIRON (Tel Aviv University Fetal Diagnostic Center)
- 14:04 **Pooled Q&A : 26mins**
- 14:30 **Group photo at Kamo river : 30mins**

Session 5 Genetics

15:00-16:05 Monday, Sep 28

Chairs : Karin Blakemore & Ming Chen

- 15:00 **05-041 Next-Generation Sequencing of Congenital Pulmonary Airway Malformations**
Emily Zhao (Johns Hopkins University School of Medicine)
- 15:06 **05-042 Pilot Study to Assess the Diagnostic Yield of Whole Genome Sequencing in Newborns with Neonatal Encephalopathy (The GENE Study)**
Richard B Parad (Brigham and Women's Hospital/Harvard Medical School)
- 15:12 **05-043 Antenatal use of whole exome sequencing for work up of hydrops**
Erin J Bailey (University of Wisconsin Fetal Intervention)
- 15:16 **05-044 Genetic diagnoses and postnatal outcomes in a prenatal cohort of arthrogryposis multiplex congenita**
Devon Stone O'Brien (Childrens Mercy Hospital Maternal-Fetal Medicine)
- 15:20 **05-045 Maternal and neonatal outcomes in pregnancies complicated by Trisomy 18**
Devon Stone O'Brien (Childrens Mercy Hospital Maternal-Fetal Medicine)
- 15:24 **05-046 Trisomy 18: An Analysis of Disease Burden and Survival After Surgical Intervention**
Alyssa Marie Joachim (Rady Childrens Health Orange County Division of Pediatric General and Thoracic Surgery , University of California - San Diego Department of General Surgery)
- 15:28 **05-047 Whole genome sequencing- first line test for prenatal investigation of congenital malformations?**
Peter Conner (Karolinska university hospital Center for Fetal Medicine)
- 15:32 **05-048 When Monochorionic Is Not Identical: Heterokaryotypic Monochorionic Twins Following Risk-Reducing cfDNA**
William Goodnight (University of North Carolina Chapel Hill School of Medicine Fetal Care Center)
- 15:36 **05-049 Prenatal detection of MN1-associated CEBALID syndrome presenting as isolated orofacial clefts**
Ming Chen (CHANGHUA CHRISTIAN HOSPITAL MEDICAL CENTER, TAIWAN DEPARTMENT OF GENOMIC MEDICINE, AND DEPARTMENT OF OB/GYN , NATIONAL CHUNG-HSING UNIVERSITY DEPARTMENT OF POST-BACCALAUREATE MEDICINE)
- 15:40 **05-050 Severe Fetal Anemia Secondary to ($\epsilon\gamma\delta\beta$)⁰ Thalassemia: A Case Series Demonstrating the Impact of Prenatal Surveillance and Intrauterine Transfusion**
Antonio Jose Santos Roca (University of Rochester Medical Center Department of Obstetrics, Gynecology, and Reproductive Sciences)
- 15:44 **Pooled Q&A : 21mins**
- 16:05 **Refreshment Break : 15mins**

Session 6 Abd/Uro

16:20-17:55 Monday, Sep 28

Chairs : Carmen Burgos & Alireza Shamshirsaz

- 16:20 **06-051 Prenatal MRI Volumetrics Predict Surgical Closure Strategy in Giant Omphalocele: A Comparison of Early Surgery and Paint-and-Wait**
Saad Ahmed Ranginwala (Chicago Institute for Fetal Health - Ann and Robert H. Lurie Childrens Hospital of Chicago Department of Surgery)
- 16:26 **06-052 Prenatally Ruptured Omphalocele: Perinatal Outcomes and Prognostic Imaging Markers in a Single-Center Case Series (2012–2024)**
Roopali Donepudi (Baylor College of Medicine OBGYN, division of Maternal Fetal Medicine)
- 16:30 **06-053 Extracorporeal Membrane Oxygenation in Neonates with Omphalocele: Outcomes and Implications for Prenatal Counseling**
Andreina Giron (Childrens Hospital of Orange County Pediatric Surgery)
- 16:36 **06-054 Maternal risk factors for Omphalocele**
Carmen Mesas Burgos (Karolinska Institute Pediatric Surgery)
- 16:40 **06-055 Validating a Rabbit Model of Complex Gastroschisis ****
Sophia Gazal Hameedi (Nationwide Childrens Hospital Department of Pediatric Surgery , Westchester Medical Center Department of General Surgery)
- 16:46 **06-056 Gestational Stage-Associated Transcriptomic Changes and Their Modulation Following Fetal Repair in an Ovine Model of Gastroschisis**
Tomohiro Arai (KU Leuven Department of Development and Regeneration)
- 16:50 **06-057 Effect of Fetal Repair on Complex Bowel Features and Motility in an Ovine Gastroschisis Model ****
Tomohiro Arai (KU Leuven, Belgium My FetUZ Fetal Research Center, Department of Development and Regeneration)
- 16:56 **06-058 Evaluating the safety and effectiveness of the Vortex shunt in a fetal lamb model of lower urinary tract obstruction**
Enrico Danzer (Memorial Sloan Kettering Cancer Center Division of Pediatric Surgery , Stanford University Division of Neonatology)
- 17:00 **06-059 Sequential Abdomino-Amniotic and Vesico-Amniotic Shunting for Spontaneous Bladder Rupture Complicating LUTO with Suspected Anterior Urethral Valve: A Case Report**
Olav B Petersen (Copenhagen University Hospital, Rigshospitalet, Denmark Center for Fetal Medicine, Dept. of Gynecology, Fertility and Obstetrics , University of Copenhagen, Denmark Dept. of Clinical Medicine)
- 17:04 **06-060 Prenatal Bilateral Renal Decompression to Facilitate Vaginal Delivery in Severe Bilateral Hydronephrosis with UPJ Obstruction**
Richard Benoit (Kaiser Southern California Permanente Group Maternal-Fetal Medicine)
- 17:08 **06-061 Not Always Lethal: Contemporary Outcomes of Neonates with Congenital Bilateral Renal Agenesis**
Alyssa Marie Joachim (Rady Childrens Health Orange County Division of Pediatric General and Thoracic Surgery , University of California - San Diego Department of General Surgery)
- 17:12 **06-062 Graft and Patient Survival After Kidney Transplantation in Congenital Bilateral Renal Agenesis**
Danae Olaso (University of California San Diego Surgery)
- 17:16 **06-063 Larger Fetal Ovarian Cysts are at Risk for Ovarian Loss**
George Mychaliska (University of Michigan Health)

- 17:20 **06-174 Microbe-associated IL17 signalling promotes human intestinal epithelial differentiation in utero**
Jerry Chan (KK Hospital Reproductive Medicine , Duke NUS Medical School Obstetrics and Gynaecology Academic Clinical Program)
- 17:26 **Pooled Q&A : 29mins**

Special Lecture

Chair : Haruhiko Sago

18:00-18:40 Monday, Sep 28

Pregnancy as Cultural Phenomenon in Early-Modern Japan

Timon Screech (Professor, International Research Center for Japanese Studies (Nichibunken), Kyoto)

Day 2 - Tuesday, Sep 29, 2026

Session 7 Twin1

8:00-9:10 Tuesday, Sep 29

Chairs : Femke Slaghekke & Daniel Skupski

- 8:00 **07-064 Emergent fetoscopic laser ablation for acute stage V twin-to-twin transfusion syndrome: initial results**
Rodrigo Ruano (University of Miami & Jackson Memorial Hospital)
- 8:06 **07-065 Intrauterine Transfusion for Acute Feto-Fetal Transfusion in Quintero Stage V Twin-to-Twin Transfusion Syndrome: Technical Challenges and Peri-Transfusion Cardiac Functional Assessment**
Rachmat Dediati Kapnosa Hasani (Harapan Kita Mother and Children Hospital Department of Obstetrics and Gynecology , Faculty of Medicine, University of Indonesia Department of Obstetrics and Gynecology)
- 8:10 **07-066 Placental damage and pregnancy outcomes using the Solomon technique**
Femke Slaghekke (Leiden University Medical Center, The Netherlands Obstetrics and Fetal Therapy)
- 8:16 **07-067 Perinatal outcome and complications using the Solomon technique**
Femke Slaghekke (Leiden University Medical Center Obstetrics and Fetal Therapy)
- 8:20 **07-068 Outcomes of laser therapy for TTTS at the UC Davis Fetal Care and Treatment Center**
David Rosas (University of California, Davis Surgery)
- 8:24 **07-069 Laser for TTTS at periviability – postoperative delivery risk to inform NICU resource planning.**
Bettina Paek (Seattle Childrens Hospital The Fetal Center)
- 8:28 **07-070 Hypoxia-reoxygenation injury-mediated Ferroptosis in Donor Placenta of Twin-to-Twin Transfusion Syndrome**
Kazuhiro Kajiwara (National Center for Child Health and Development Center for Maternal-Fetal, Neonatal and Reproductive Medicine , National Center for Child Health and Development Center for Regenerative Medicine)
- 8:32 **07-071 Surveillance with Delayed Intervention versus Prompt Laser Therapy for Stage II Twin-Twin Transfusion Syndrome before 18 weeks Gestational Age**
Clifton O Brock (Allina Health Midwest Fetal Care Center)
- 8:36 **07-072 From Placenta to Parenchyma: Extrauterine Twin-Twin Transfusion Syndrome in Conjoined Omphalopagus Twins**
Nahla Khalek (Richard D. Wood Jr. Center for Fetal Diagnosis and Treatment General, Thoracic and Fetal Surgery at Children's Hospital of Philadelphia)
- 8:40 **07-073 Fetoscopic Laser Photocoagulation for Twin-Twin Transfusion Syndrome in the Setting of Active Maternal Syphilis: A Case Report**
Nkechinyelum Ogu (Northwestern University Obstetrics and Gynecology, Maternal-Fetal Medicine)
- 8:44 **07-074 Maternal Obesity Should Not Be a Barrier to Fetoscopic Laser Surgery for Twin-Twin Transfusion Syndrome**
Bettina Paek (Seattle Childrens Hospital The Fetal Center)
- 8:48 **Pooled Q&A : 22mins**
- 9:10 **Refreshment Break : 15mins**

Session 8 Twin2

9:25-11:00 Tuesday, Sep 29

Chairs : Liesbeth Lewi & Katsusuke Ozawa

- 9:25 **08-075** **Characteristics and outcomes of monochorionic diamniotic twin pregnancies complicated by selective fetal growth restriction with intermittent absent end diastolic flow**
JULIANA SANCHEZ GEBB (Childrens Hospital of Philadelphia Richard D Wood Jr Center for Fetal Diagnosis and Treatment , Perelman School of Medicine of the University of Pennsylvania Department of Pediatric, Thoracic, and Fetal Surgery)
- 9:31 **08-076** **Assessing Placental-Brain Oxygenation Relationships in Complicated Monochorionic Twins Using MRI**
Ryne Didier (Boston Childrens Hospital Radiology)
- 9:37 **08-077** **New Insights into Management and Outcomes of Monochorionic Diamniotic Twin Pregnancies with Discordant Fetal Anomalies**
Gabrielle Katherine Smith (University of North Carolina Hospitals Maternal-Fetal Medicine)
- 9:43 **08-078** **Incidence and timing of preeclampsia in twin pregnancies: a nationwide Danish cohort study**
Sara Bech Finsen (Rigshospitalet Center for Fetal Medicine, Department of Gynecology, Fertility and Obstetrics , University of Copenhagen Faculty of Health and Medical Sciences, Department of Clinical Medicine)
- 9:47 **08-079** **From Prenatal care to Birth: Outcomes of Monochorionic Diamniotic Twin Pregnancies in a Publicly Funded Nationwide 11-Year Danish Cohort**
Sara Bech Finsen (Rigshospitalet Center for Fetal Medicine, Department of Gynecology, Fertility and Obstetrics , University of Copenhagen Faculty of Health and Medical Sciences, Department of Clinical Medicine)
- 9:51 **08-080** **Pregnancy outcome after fetal reduction (FR) of dichorionic triamniotic (DCTA) triplets: a nationwide Danish register-based cohort study from 2008 to 2018**
Steffen Ernesto Kristensen (Copenhagen University Hospital - Rigshospitalet Department of Gynecology, Fertility, and Obstetrics , Faculty of Health and Medical Sciences, University of Copenhagen Department of Cellular and Molecular Medicine or Department of Clinical Medicine)
- 9:55 **08-081** **Neonatal outcomes of dichorionic (DC) twins: a nationwide Danish register-based cohort study from 2008 to 2018**
Steffen Ernesto Kristensen (Copenhagen University Hospital - Rigshospitalet Department of Gynecology, Fertility and Obstetrics , Faculty of Health and Medical Sciences, University of Copenhagen Department of Cellular and Molecular Medicine or Department of Clinical Medicine)
- 9:59 **08-082** **Fetal Medicine Foundation (FMF) singleton and twin-specific growth charts classify different proportions of intrauterine fetal demise (IUFD) as small-for-gestational-age (SGA) in dichorionic (DCDA) and monochorionic (MCDA) twin pregnancies — a nationwide Danish cohort study of 11,055 twin pregnancies, 2008–2018**
Steffen Ernesto Kristensen (Copenhagen University Hospital - Rigshospitalet Department of Gynecology, Fertility, and Obstetrics)
- 10:03 **08-083** **Microwave ablation and radiofrequency ablation demonstrate comparable outcomes for selective reduction in monochorionic diamniotic twin pregnancies**
David Rosas (University of California, Davis Surgery)
- 10:07 **08-084** **Starting Strong or Starting Slow? The Effect of Starting Wattage on Microwave Cord Occlusion Outcomes for Multifetal Pregnancy Reduction**
Gabrielle Katherine Smith (University of North Carolina Fetal Care Center)

- 10:11 **08-085** **Selective reduction in monochorionic pregnancies with selective fetal growth restriction: systematic review and meta-analysis**
Akihiro Hasegawa (Dell Children's Medical Center)
- 10:15 **08-086** **North American Fetal Therapy Network: Obstetric outcomes after selective reduction in complicated monochorionic twin pregnancies**
Stephen Paul Emery (UPMC Magee-Womens Hospital Obstetrics, Gynecology, and Reproductive Sciences)
- 10:19 **08-087** **Microwave Ablation for TRAP Sequence: A Three-Arm Comparison with Radiofrequency Ablation and Bipolar Cord Coagulation at a single center**
Sami Backley (Division of Fetal Intervention Department of Obstetrics, Gynecology and Reproductive Sciences, McGovern Medical School at UTHealth Houston , UTHealth Houston Fetal Institute)
- 10:23 **08-088** **TRAP Sequence Treatment at < 15 Weeks Using Interstitial Laser**
Nicholas Behrendt (Colorado Fetal Care Center Children's Hospital Colorado , University of Colorado Department of Obstetrics and Gynecology Maternal-Fetal Medicine)
- 10:27 **08-089** **Double-Barrel Placental Cord Insertions in Monochorionic-Diamniotic Twins: A Sonographic Finding with Implications for Perinatal Outcomes**
Timothy Crombleholme (Connecticut Childrens Medical Center Fetal Care Center)
- 10:31 **Pooled Q&A : 29mins**

Day 3 - Wednesday, Sep 30, 2026

Session 9 CDH1

8:00-9:15 Wednesday, Sep 30

Chairs : Rodrigo Ruano & Oluyinka Olutoye

- 8:00 **09-090 Does fetal position affect right lung measurements in left congenital diaphragmatic hernia?**
Suzanne DeBari (Childrens Hospital of Philadelphia Radiology)
- 8:04 **09-091 The best formula to diagnose fetal growth restriction in fetuses with congenital diaphragmatic hernia**
Federica Bellussi (CHOP Surgery)
- 8:08 **09-092 Cerebroplacental ratio to evaluate brain sparing in fetuses with severe congenital diaphragmatic hernia**
JULIANA SANCHEZ GEBB (Childrens Hospital of Philadelphia Richard D Wood Jr Center for Fetal Diagnosis and Treatment , Perelman School of Medicine of the University of Pennsylvania Department of Pediatric, Thoracic, and Fetal Surgery)
- 8:12 **09-093 Prenatal imaging characteristics and outcomes of left versus right-sided congenital diaphragmatic hernia**
Roopali Donepudi (Baylor College of Medicine OBGYN, division of MFM)
- 8:16 **09-094 Isolated versus non-isolated congenital diaphragmatic hernia: does it matter?**
Roopali Donepudi (Baylor College of Medicine OBGYN, Division of MFM)
- 8:20 **09-095 Non-isolated congenital diaphragmatic hernia: outcomes in genetic versus structural causes**
Roopali Donepudi (Baylor College of Medicine OBGYN, Division of MFM)
- 8:24 **09-096 Observed-to-Expected Lung-to-Head Ratio and Outcomes of Isolated Right-Sided Congenital Diaphragmatic Hernia: A Japanese Multicenter Study**
Naoto Komatsu (The Japanese CDH Group , The University of Osaka Department of Obstetrics and Gynecology)
- 8:28 **09-097 Natural history of moderate and severe left-sided congenital diaphragmatic hernia: A contemporary multicenter Japanese cohort aligned with TOTAL-trial methodology**
Tomohiro Arai (Japanese CDH Study Group)
- 8:32 **09-098 A Surgical Murine Model of Congenital Diaphragmatic Hernia ****
Jessica Grace Wright (Nationwide Childrens Hospital Department of Pediatric Surgery)
- 8:38 **09-099 In Vivo Characterization of the Nitrofen Rat Model of CDH Using Ultra-High Frequency Ultrasound and Photoacoustic Tracking of Targeted RNA Nanoparticle Delivery ****
David Rosas (University of California, Davis Surgery)
- 8:44 **09-100 AF-MSC EVs Restore Metabolic Function after Nitrofen Injury and Inform Development of Targeted miR-200b RNA Nanoparticles; A Potential for Optimization of Pulmonary Function in CDH ****
David Rosas (University of California, Davis Surgery)
- 8:50 **09-119 Diagnosis and Treatment Protocols for Congenital Lung Malformations in the Prenatal, Intrapartum, and Neonatal Periods**
Lishuang Ma (Capital Center for Childrens Health, Capital Medical University, Capital Institute of Pediatrics Department of Neonatal Surgery)
- 8:54 **Pooled Q&A : 21mins**
- 9:15 **Refreshment Break : 15mins**

Session 10 CDH2

9:30-10:35 Wednesday, Sep 30

Chairs : Alexandra Benachi & Darrell Cass

- 9:30 **10-101 FETO IN MODERATE CDH: DOES AN EARLIER GESTATIONAL AGE AT SURGERY AFFECT OUTCOMES?**
Francesca Maria Russo (University Hospitals Leuven Obstetrics and Gynaecology)
- 9:34 **10-102 Congenital diaphragmatic hernia: propensity score weighted outcome analysis of fetoscopic endoluminal tracheal occlusion versus standard management from the Congenital Diaphragmatic Hernia Study Group.**
Enrico Danzer (Memorial Sloan Kettering Cancer Center Division of Pediatric Surgery , Stanford University Division of Neonatology)
- 9:38 **10-103 Exploring Comparability in Retrospective FETO Cohorts: A Nationwide Multicenter Study**
KATSUSUKE OZAWA (National Center for Child Health and Development Division of Fetal Medicine , Japanese CDH Study Group)
- 9:42 **10-104 Five-year follow-up after fetoscopic endoluminal tracheal occlusion for severe-to-moderate left-sided congenital diaphragmatic hernia: a multicenter retrospective cohort study**
Alexandra BENACHI (Hopital Antoine Beclere Assistance Publique Hopitaux de Paris Universite Paris Saclay Obstetrics and Gynecology)
- 9:46 **10-105 The smart TO balloon: report on the first 100 cases**
Francesca Maria Russo (University Hospitals of Leuven Department of Obstetrics and Gynecology)
- 9:52 **10-106 Randomized trial of physiological-based cord clamping versus immediate cord clamping in infants with a congenital diaphragmatic hernia (PinC)**
Philip L.J. DeKoninck (Erasmus MC, University Center Rotterdam)
- 9:58 **10-107 Minimally Invasive Surgical Treatment of Congenital Diaphragmatic Hernia Complicated by Neonatal Persistent Pulmonary Hypertension**
Lishuang Ma (Capital Center for Childrens Health, Capital Medical University, Capital Institute of Pediatrics Department of Neonatal Surgery)
- 10:02 **10-108 Congenital Diaphragmatic Hernia in multifetal pregnancies: a comparison of perinatal outcomes with singleton pregnancies**
Federica Bellussi (CHOP Surgery)
- 10:06 **10-109 Hospital Volume, Case Complexity, and Outcomes in Neonatal CDH: A National Analysis of the KID Database**
April Angelica Carlson (Rady CHOC Department of Pediatric Surgery)
- 10:10 **10-110 Third-Trimester MRI O/E Total Lung Volume Predicts 2-Year Cognitive Outcomes in Isolated Congenital Diaphragmatic Hernia**
Laura Galganski (Cincinnati Childrens)
- 10:14 **Pooled Q&A : 21mins**
- 10:35 **Refreshment Break : 15mins**

Session 11 Lung&Airway

10:50-12:20 Wednesday, Sep 30

Chairs : Greg Ryan & Akihiro Hasegawa

- 10:50 **11-111 Automated Fetal Lung Segmentation on MRI for Volumetric Assessment Across Pulmonary Hypoplasia-Associated Disorders**
Jungwhan John Choi (Cincinnati Childrens Hospital Medical Center Fetal Care Center , Cincinnati Childrens Hospital Medical Center Department of Radiology and Medical Imaging)
- 10:56 **11-112 Preliminary Extraction of Fetal Lung MRI Radiomic Features Across Pulmonary Hypoplasia-Associated Disease States**
Jungwhan John Choi (Cincinnati Childrens Hospital Medical Center Fetal Care Center , Cincinnati Childrens Hospital Medical Center Department of Radiology and Medical Imaging , University of Cincinnati College of Medicine Department of Radiology)
- 11:00 **11-113 Location, Location, Location: The Real Estate of Fetal Lung Lesions**
Edward Raymond Oliver (Childrens Hospital of Philadelphia Radiology)
- 11:04 **11-114 PREDICTIVE MODELING OF NEONATAL OUTCOMES IN NON-HYDROPIC FETUSES WITH LUNG MALFORMATIONS: RESULTS FROM A NATIONAL COHORT OF MAJOR CHILDREN'S HOSPITALS**
Latoya Stewart (Johns Hopkins Hospital Pediatric Surgery)
- 11:10 **11-115 Congenital Lung Malformations: Current Trends in Diagnosis and Management among Infants in the United States**
Marisa Eve Schwab (Stanford University Division of Pediatric Surgery)
- 11:14 **11-116 Navigating Uncertainty or Preparing for the Future: A Qualitative Study of Parental Experience with Congenital Lung Malformations**
Marisa Eve Schwab (Stanford University Pediatric Surgery)
- 11:18 **11-117 Antenatal corticosteroids for congenital lung lesions: A systematic review and meta-analysis of lesion-specific treatment response**
Yair Blumenfeld (Stanford University School of Medicine Obstetrics & Gynecology)
- 11:24 **11-118 Multicenter international retrospective cohort study on the effect of maternally administered corticosteroids on high-risk CPAM**
Federica Bellussi (CHOP Surgery)
- 11:28 **11-120 Hemodynamic change after aspiration/thoraco-amniotic shunting for fetal hydrothorax - a potential risk of fetal hypotension revealed by the ultrasonic phased-tracking studies**
Susumu Miyashita (Yokohama city Minato Redcross Hospital Department of Perinatology , Miyagi Childrens Hospital Department of Maternal Fetal Medicine)
- 11:32 **11-121 Perinatal Outcomes Following Fetal Shunt: A 17-Year Single-Centre Experience**
Grace Yang Huang Ng (KK Womens and Childrens Hospital Maternal Fetal Medicine)
- 11:36 **11-122 Large Fetal Goiter with Suspected Airway Compression: The Role of 3D Ultrasonography in Prenatal Airway Assessment and Delivery Planning**
Rachmat Dediati Kapnosa Hasani (Harapan Kita Mother and Children Hospital Departement Obstetrics & Gynecology , University of Indonesia Departement Obstetrics & Gynecology)
- 11:40 **11-123 Fetal Lingual Cyst**
VICTOR BUNDUKI (Univeisity of Sao Paulo Brazil)
- 11:44 **Pooled Q&A : 36mins**
- 12:30 **Lunch : 60mins**

Session 12 Innovative Therapy 1

13:30-14:35 Wednesday, Sep 30

Chairs : Timothy Matthew Crombleholme & Peter Conner

- 13:30 **12-124 In vivo base editing of the common Asian IVS1-5G>C mutation causing transfusion-dependent Beta-Thalassaemia in Humanized mice - proof of concept for fetal HSC-targeting gene therapy**
Citra Nurfarah binte Zaini Mattar (National University of Singapore Obstetrics and Gynaecology , National University Health System, Singapore Obstetrics and Gynaecology , National University Centre for Women and Children Obstetrics and Gynaecology)
- 13:36 **12-125 Correction of Preeclampsia by Intraplacental Gene Transfer of IGF-1 in the BPH/5 Mouse**
Timothy Crombleholme (Connecticut Childrens Medical Center Fetal Care Center)
- 13:42 **12-127 Mammalian-Optimized Plasmid DNA (pDNA) as a Novel Agent of Transamniotic Nucleic Acid Therapy (TRANAT): Pharmacokinetics in a Murine Model**
Alex Liu Huang (Boston Childrens Hospital Surgery)
- 13:46 **12-128 Xenogeneic Fetal Kidney Transplantation as a Prenatal Bridge Therapy for Congenital Renal Failure**
Keita Morimoto (The Jikei University School of Medicine Division of Nephrology and Hypertension, Department of Internal Medicine,)
- 13:52 **12-129 Isoflavones modulate ER α /PR balance and inhibit preterm labor-associated pathways through PR-B-dependent regulation in human uterine cells**
Kyung mi Choi (Korea University College of Medicine Department of Obstetrics and Gynecology)
- 13:56 **12-130 AMNIOWELL, A NOVEL SYNTHETIC AMNIOTIC FLUID DESIGNED TO IMPROVE OUTCOMES IN FETAL THERAPY**
Jose L. PEIRO (NYU Langone Health NYULH Advanced Fetal Care Center , New York University NYU Grossman School of Medicine)
- 14:02 **12-131 PRENATAL ABDOMINAL INTRAMUSCULAR BOTULINUM TOXIN IN FETAL LAMBS: FEASIBILITY, BIO-SAFETY, AND EFFICACY.**
Jose L. PEIRO (NYU Langone Health NYULH Advanced Fetal Care Center , New York University NYU Grossman School of Medicine)
- 14:06 **Pooled Q&A : 29mins**
- 14:35 **Short Break : 10mins**

Session 13 Innovative Therapy 2

14:45-15:50 Wednesday, Sep 30

Chairs : George B Mychaliska & Citra Mattar

- 14:45 **13-132** **Risdiplam for transplacental therapy of spinal muscular atrophy: update from the prenatal study group**
Mara Rosner (Johns Hopkins)
- 14:51 **13-133** **The Artificial Placenta Platform**
George Mychaliska (University of Michigan Health)
- 14:57 **13-134** **Amniotic fluid stem cell-derived extracellular vesicles enhance the efficacy of tracheal occlusion in congenital diaphragmatic hernia in large animal models ****
Marianna Scuglia (KU Leuven Department of Development and Regeneration, Cluster Woman and Child, Group Biomedical Sciences)
- 15:03 **13-135** **A Prodrug-Hydrogel System for Sustained Intrafetal Antiviral Delivery: Proof-of-Concept in Congenital Cytomegalovirus Infection**
Helyett OLLIVIER (Necker Enfants Malades Fetal Medecine)
- 15:09 **13-136** **Fetal Lung Maturation with Low-Dose Antenatal Corticosteroids in a Lamb Ex Vivo Environment ****
TSUKASA TAKAHASHI (Tohoku University Obstetrics and Gynecology)
- 15:15 **13-137** **A new access to the fetal brain: fluoroscopy-guided in utero embolization of a pial arteriovenous fistula**
Joanna Sichitiu (Centre Hospitalier Universitaire Vaudois Department Woman-Mother-Child)
- 15:19 **13-138** **Percutaneous Ethanol Chemosclerosis of Complicated Giant Chorioangioma**
Henry L Galan (University of Colorado School of Medicine Obstetrics & Gynecology , Childrens Hospital of Colorado Colorado Fetal Care Center)
- 15:23 **13-139** **Sclerosis of Large Placental Chorioangiomas With Denatured Alcohol – A Viable Fetal Intervention**
Xavier Pombar (Ann and Robert H. Lurie Childrens Hospital, Chicago, IL Chicago Institute for Fetal Health)
- 15:27 **13-181** **Effect of aspirin and early onset fetal growth restriction Doppler severity**
Erin J Bailey (University of Wisconsin Fetal Intervention)
- 15:31 **Pooled Q&A : 19mins**
- 15:50 **Short Break : 10mins**

Session 14 Nursing & Counseling 1 16:00-17:05 Wednesday, Sep 30
Chairs : Diana Farmer & Amy B Powne

- 16:00 **14-140 Clinician Attitudes to Prenatal Palliative Care Consultation: An Expanded Stakeholder Survey**
John Stroh (Childrens Mercy Kansas City Department of Pediatrics, Division of Palliative Care and Bioethics , University of Missouri-Kansas City School of Medicine)
- 16:06 **14-141 Adapting our inpatient palliative program into an integrated outpatient perinatal care model for our Fetal Center**
Amy B Powne (UC Davis Health Fetal Care and Treatment Center)
- 16:12 **14-143 Serious Illness Conversations in Perinatology: A novel application of an evolving framework**
Rachel Ann Pilliod (Allina Health Minnesota Perinatal Physicians , Childrens Minnesota Midwest Fetal Care Center)
- 16:16 **14-144 Fetal Connections: Enhancing the Transition from Prenatal Plans to Postnatal Management for Improved Neonatal Care**
Emily A Morris (Vanderbilt University Medical Center Pediatrics , Vanderbilt University Medical Center Center for Biomedical Ethics and Society)
- 16:22 **14-145 “You don’t have to go through with this”: Patient and partner experiences with challenging topics during counseling for maternal-fetal surgery**
Jessica Teresa Fry (Ann and Robert H Lurie Childrens Hospital of Chicago Division of Neonatology , Ann and Robert H Lurie Childrens Hospital of Chicago Chicago Institute for Fetal Health , Northwestern University Feinberg School of Medicine Department of Pediatrics)
- 16:26 **14-146 Exploring opportunities to better support patient decision-making for maternal-fetal surgery**
Jessica Teresa Fry (Ann and Robert H Lurie Childrens Hospital of Chicago Chicago Institute for Fetal Health , Northwestern University Feinberg School of Medicine Department of Pediatrics , Ann and Robert H Lurie Childrens Hospital of Chicago Division of Neonatology)
- 16:30 **14-147 Optimization of an Instrument for Screening Complicated Grief after Reproductive Loss**
Cara Buskmiller (Baylor College of Medicine Obstetrics and Gynecology)
- 16:34 **14-149 Area Deprivation Index and Termination Rates for Fetal Surgery Patients**
Michael Beninati (University of Wisconsin Fetal Intervention)
- 16:38 **Pooled Q&A : 27mins**
- 17:05 **Short Break : 10mins**

Session 15 Nursing & Counseling 2 17:15-18:30 Wednesday, Sep 30

Chairs : Masayuki Endo & Susan Spinner

- 17:15 **15-150 Building the Framework: A National Approach to Advanced Practice Collaboration in Fetal Therapy**
Kristine Ann Piraino (Lurie Childrens Hospital of Chicago Chicago Institute for Fetal Health)
- 17:21 **15-151 Innovation and Expanding the Special Delivery Unit Model within a Fetal Center**
Susan Sermarini Spinner (CHOP Surgery)
- 17:27 **15-152 Reimagining the complex delivery unit to optimize the focus on patient and family**
Julie S. Moldenhauer (Nemours Children's Health)
- 17:33 **15-153 Creating enterprise level systemness in a fetal care center**
Julie S. Moldenhauer (Nemours Children's Health)
- 17:37 **15-154 Challenges in Care Coordination: A Unique Perspective on Barriers to Care at the Ontario Fetal Centre**
Ingrid Larsen (Mount Sinai Hospital Ontario Fetal Centre)
- 17:41 **15-155 Addressing Access Disparities in Fetal Care Through a Nursing Outreach Navigator Model**
Emilie Lamberg Jones (The Chicago Institute for Fetal Health)
- 17:45 **15-156 Preparing Families for the Fetal Care Experience: Culturally Sensitive Somali and Spanish Video Modules**
Clifton O Brock (Childrens Minnesota Midwest Fetal Care Center)
- 17:49 **15-157 The Impact of a Fatwa on Equitable Access to Donor Breastmilk for Muslim Families**
Shukri Jumale (Chicago Institute For Fetal Health)
- 17:53 **15-158 Safe, Economical, and Reproducible: A Nurse-Led Local Anesthesia Protocol for Fetoscopic Laser Photocoagulation**
Fang Li (Chongqing Health Center for Women and Children, Chongqing, China anesthesiology department)
- 17:57 **15-159 A Nursing-Led Orientation Model for L&D Nurses in Fetal Surgery**
Kathleen Elizabeth McGowan (The Chicago Institute for Fetal Health)
- 18:01 **15-160 Driving Excellence in Fetal Care: The Distinct Role of Nurses at the Ontario Fetal Centre**
Janet Randle (Mount Sinai Hospital Ontario Fetal Centre)
- 18:05 **15-161 From Screening to Outcome: The Impact of Abnormal First-Trimester Biochemistry on Pregnancy Management**
Louise Ryan Stirling (Copenhagen University Hospital, Rigshospitalet, Denmark Center for Fetal Medicine, Pregnancy and Ultrasound, Department of Gynecology, Fertility and Obstetrics)
- 18:09 **15-163 Care pathways in prenatally diagnosed Alpha Thalassemia Major**
Michael Beninati (University of Wisconsin Fetal Intervention)
- 18:13 **Pooled Q&A : 17mins**

J-J time

18:30-18:35 Wednesday, Sep 30

The Ongoing Global HDFN and FNAIT Studies

Yosuke Komatsu (Maternal Fetal Immunology, Johnson & Johnson Innovative Medicine Spring House, PA, USA)

Day 4 - Thursday, Oct 1, 2026

Session 16 Others 1

8:00-9:15 Thursday, Oct 1

Chairs : Payam Saadai & Mahesh Choolani

- 8:00 **16-162 Fetal Disseminated Intravascular Coagulation Associated with Klippel-Trenaunay Syndrome: a case report**
Federica Bellussi (CHOP Surgery)
- 8:04 **16-164 Fetal Acetylcholine Receptor Antibody-Related Disorder: Recognizing a Rare, Treatable Condition**
E.J.T. Verweij (Leiden University Medical Center)
- 8:08 **16-165 Prolonged Fetal Bradycardia Following Intraoperative Dexmedetomidine Redosing During Intrauterine Transfusion: A Case Report**
Richard Benoit (Kaiser Southern California Permanente Group Maternal-Fetal Medicine)
- 8:12 **16-166 Successful EXIT resection of a large fetal intrapericardial teratoma**
Rodrigo Ruano (University of Miami & Jackson Memorial Hospital)
- 8:16 **16-167 Geographic Barriers to Tertiary Care for Pregnancies Complicated by a Congenital Anomaly: An Analysis of the California Birth Cohort Dataset**
April Angelica Carlson (Rady CHOC Department of Pediatric Surgery)
- 8:20 **16-168 Power to the people: the development of a multi-site multidisciplinary fetal medicine team meeting across Ireland's fastest growing region: a quality improvement initiative (QIP).**
Claudia Condon (Cavan General Hospital Obstetrics and Gynaecology)
- 8:24 **16-169 Three-Dimensional Fractional Volume Measurement of Vasa Previa Vessels: Toward a Potential Novel Framework for Fetoscopic Laser Ablation Candidacy Assessment**
Sami Backley (UTHealth Houston Fetal Institute , Division of Fetal Intervention Department of Obstetrics, Gynecology and Reproductive Sciences, McGovern Medical School at UTHealth Houston, Houston, TX, USA)
- 8:28 **16-170 A Modified Delphi Study to create a checklist for optimal anesthetic management of fetal bradycardia leading to delivery during fetoscopic myelomeningocele repair**
Yeona Chun (Ann & Robert H. Lurie Childrens Hospital of Chicago Department of Anesthesiology)
- 8:32 **16-171 Spinal Anesthesia Improves External Version Success and Decreases Case Cancellation Rates in Fetal Interventions: A retrospective analysis of 99 fetal cardiac and fetoscopic endoluminal occlusion balloon insertion procedures**
Claire Naus (Texas Childrens Hospital, Baylor College of Medicine Anesthesiology)
- 8:36 **16-172 Development of a Non-Invasive Fetal Oxygenation Monitor**
Citra Nurfarah binte Zaini Mattar (National University of Singapore Obstetrics and Gynaecology , National University Health System, Singapore Obstetrics and Gynaecology , National University Centre for Women and Children Obstetrics and Gynaecology)
- 8:42 **Pooled Q&A : 33mins**
- 9:15 **Refreshment Break : 15mins**

Session 17 Others 2

9:30-10:50 Thursday, Oct 1

Chairs : Shinjiro Hirose & Tomohiro Arai

- 9:30 **17-173 Fetal growth in pregnancies undergoing serial amnioinfusion for early onset anhydramnios – A secondary analysis of the RAFT Trial**
Yair Blumenfeld (Stanford University School of Medicine Obstetrics & Gynecology)
- 9:36 **17-175 An In Vitro Model of Fetal Growth Restriction: Nutrient Restriction in Trophoblast Stem Cells Stimulate the Release of Anti-Angiogenic miRNA-141-3p via Extracellular Vesicles**
Caitlin Eason (Childrens Hospital Colorado Surgery)
- 9:42 **17-176 Co-stimulation of allo responsive NK cells with an NK cell-specific ligand enhances allo-specific rejection and memory in prenatal chimeras**
Hee Kap Kang (Ann Robert H Lurie Children's Hospital Northwestern University Chicago Institute for Fetal Health)
- 9:48 **17-177 Prenatal tolerogenic donor antigen exposure can maintain tolerance despite the presence of m157 viral glycoprotein**
Hee Kap Kang (Ann Robert H Lurie Children's Hospital Northwestern University Chicago Institute for Fetal Health)
- 9:52 **17-178 Automated Clinical Deployment of Fetal MRI Slice-to-Volume Reconstruction Using a Vendor-Neutral MONAI-Based Pipeline**
Jungwhan John Choi (Cincinnati Childrens Hospital Medical Center Department of Radiology and Medical Imaging , Cincinnati Childrens Hospital Medical Center Fetal Care Center)
- 9:56 **17-179 Federated Learning (decentralized Machine Learning) for Small-for-Gestational-Age Prediction: A Multi-country Evaluation on Real-World Antenatal Data**
Citra Nurfarah binte Zaini Mattar (National University of Singapore Obstetrics and Gynaecology , National University Health System, Singapore Obstetrics and Gynaecology , National University Centre for Women and Children Obstetrics and Gynaecology)
- 10:00 **17-180 IgG-positive/IgM-negative maternal serology in severe congenital parvovirus B19 infection**
Gayathri Vadlamudi (UT Southwestern Medical Center Department of Obstetrics & Gynecology , UTHealth Houston Fetal Institute Department of Obstetrics, Gynecology and Reproductive Sciences, McGovern Medical School at UTHealth Houston)
- 10:04 **17-182 Meeting Patients Where They Are: Evaluating Fetal Surgery Information on Social Media**
Nkechinyelum Ogu (Northwestern University Obstetrics and Gynecology, Maternal-Fetal Medicine)
- 10:08 **Pooled Q&A : 42mins**
- 10:50 **Short Break : 10mins**

Session 18 Topics

11:00-12:00 Thursday, Oct 1

Chair : Haruhiko Sago

- 11:00 **18-183 Correlation of lesion characteristics of spina bifida on MRI, surgical complexity, hindbrain reversal, gestational age at birth and wound healing.**
Jan Deprest (University Hospitals Leuven)
- 18-184 Neurocognitive Outcomes in Myelomeningocele: From Infancy Through School Age**
Gregory G. Heuer (Children's Hospital of Philadelphia)
- 18-185 How AIs "Read" Sonograms: Mechanisms of Machine Interpretation in Fetal Imaging**
Christian Macedonia (University of Michigan)
- 18-186 Hype vs Reality in New Genetic testing.**
Mark I. Evans (Icahn School of Medicine at Mount Sinai)

General meeting

12:00-13:00 Thursday, Oct 1