



37th International Fetal Medicine and Surgery Society Annual Meeting

Detailed Scientific Programme

Wednesday, 8th August 2018

07:00 AM	Editorial Meeting of the Fetal Diagnosis and Therapy Journal: to be held in the Sadewa Room			Editorial Board Members
07:50 AM	All delegates to gather in the Conference Ballroom: Puri Kencana Grand Ballroom			All Delegates
08:00 AM	Opening Remarks			Mahesh Choolani / Mark Evans
Twins: Session 1 (TWI-01)				
Chairpersons: Ross Welch and Tuangsit Wataganara				
08:30 AM	*	001-01-TWI-01-01	Improved Antenatal Prediction of Twin Anemia Polycythemia Sequence by Delta Middle Cerebral Artery Peak Systolic Velocity – A New Antenatal Classification System	Femke Slaghekke
08:40 AM	*	002-01-TWI-01-02	Taps Trial: Fetoscopic Laser Surgery vs. Standard Care for Twin Anaemia-Polycythemia Sequence – An Open Label Randomized Controlled Trial	Femke Slaghekke
08:50 AM	*	003-01-TWI-01-03	Is the distance travelled (DT) to a Fetal Center associated with adverse outcomes in patients with twin-twin transfusion syndrome (TTTS) undergoing fetoscopic laser surgery (FLS)?	Eric Bergh
09:00 AM	*	004-01-TWI-01-04	Effect of intra-amniotic fluid pressure from polyhydramnios on cervical length in patients with twin-twin transfusion syndrome (TTTS) undergoing fetoscopic laser surgery (FLS)	Eric Bergh
09:10 AM	*	005-01-TWI-01-05	Implementation of a Fetoscopic Laser Treatment Program for Twin Twin Transfusion Syndrome in Developing Countries. A Proof of Concept Study	Gustavo Fonseca
09:20 AM		006-01-TWI-01-06	Clinical Outcomes following Fetal Therapy: The Experiences from an Emerging Fetal Therapy Center	Sun Luming
09:30 AM	*	007-01-TWI-01-07	Hormone Levels in the Amniotic Fluid of Twin-Twin Transfusion Syndrome (TTTS) and its Association with Extreme Preterm Delivery	Mallory Hoffman
09:40 AM		008-01-TWI-01-08	Neurodevelopmental Outcomes at 3 years in Survivors Who Underwent Fetoscopic Laser Photocoagulation for Twin-Twin Transfusion Syndrome	Haruhiko Sago
09:50 AM		009-01-TWI-01-09	The Effects of the Solomon Technique for Fetoscopic Laser Photocoagulation to Treat Twin-Twin Transfusion Syndrome	Haruhiko Sago
10:00 AM	*	010-01-TWI-01-10	Calculating Observed-to-Expected Total Lung Volume in CDH Fetuses in Twin Gestation: Is There a Better Way?	Erin Perrone
10:10 AM	*	011-01-TWI-01-11	Inter-Twin Hemoglobin Difference at Birth in Uncomplicated Monochorionic Twins in Relation to Placenta	Zhao Depeng

10:20 AM	BEVERAGE BREAK			
Twins: Session 2 (TWI-02)				
Chairpersons: Haruhiko Sago and Larry Rand				
10:40 AM	*	012-01-TWI-02-01	Chromosomal Abnormalities and Chromosomal Microarray Analysis in Twins with Structural Anomalies	Li Lin
10:50 AM	*	013-01-TWI-02-02	A novel Fetoscopic finding of poor prognosis in Selective Fetal Growth Restriction type II	Enrique Gil Guevara
11:00 AM		014-01-TWI-02-03	Conjoined Twins: "sharing" our prenatal imaging experience	Amy Mehollin-Ray
11:10 AM		015-01-TWI-02-04	Combination of "markers" and the Consequent Importance of Fetal Abdominal Circumference (AC) in the First Trimester to Predict Complications Specific to Monochorionic Twin Pregnancies	Prathima Radhakrishnan
11:20 AM		016-01-TWI-02-05	Triplet Pregnancies reduced to Twins and Singletons : Comparison of Outcomes and Role of Cervical Length Assessment	Prathima Radhakrishnan
11:30 AM		017-01-TWI-02-06	Outcome of TRAP Sequence Diagnosed Prenatally at a Single Centre	Prathima Radhakrishnan
11:40 AM	*	019-01-TWI-02-08	Microwave Ablation For Selective Fetal Reduction In Complicated Monochorionic Multiple Pregnancies	Yuan Pengbo
11:50 AM		020-01-TWI-02-09	Moving toward early risk prediction of Twin to Twin Tranfusion Syndrome	Larry Rand
12:00 PM		021-01-TWI-02-10	Effect of Trocar Entry Location in Twin Twin Transfusion Syndrome (TTTS) on Gestational Age at Delivery	Ramesha Papanna
12:10 PM		022-01-TWI-02-11	Tips and Tricks to performing Radio-Frequency Ablation in Complex Cases	Arijit Biswas
12:20 PM		023-01-TWI-02-12	Comparison between Traditional Model and Fetoscopic Surgical Simulator in Mannequin Training for Laser Placental Dichorionization	Tuangsit Wataganara
12:30 PM		024-01-TWI-02-13	Effects of Power and Time on Ablation Size Produced by Radiofrequency Ablation: In vitro Study in Fresh Human Placenta	Tuangsit Wataganara
12:40 PM	*	025-01-TWI-02-14	Observed Prevalence of Congenital Heart Disease in Fetuses based on Sonography in an Unselected, General Population between 2014-2018	Abhiram Kanneganti
12:50 PM		026 -01-TWI-02-15	Development and Initial Animal Testing of a Uterine Tone Monitoring Device	Rony Marwan
13:00 PM	LUNCH			

Chairperson: Michael Harrison and Masayuki Endo			
14:00 PM	027-01-CDH-01-01	Prediction Survival in Right Sided Congenital Diaphragmatic Hernia in the FETO era	Jan Deprest
14:10 PM	028-01-CDH-01-02	Outcomes of CDH Complicated by Major Structural or Chromosomal Anomalies.	Oluyinka Olutoye
14:20 PM	* 030-01-CDH-01-04	Evidence Based Approach to Direct Timing of Congenital Diaphragmatic Hernia Repair	Katie Russell
14:30 PM	* 031-01-CDH-01-05	Does delaying cord clamping improve pulmonary blood flow in congenital diaphragmatic hernia?	Aidan Kashyap
14:40 PM	* 032-01-CDH-01-06	When is Prenatal MRI Assessment in Congenital Diaphragmatic Hernia Most Useful?	Candace Style
14:50 PM	* 033-01-CDH-01-07	ECMO Utilization in Severe CDH: Can We Predict Lethal Pulmonary Hypoplasia?	Erin Perrone
15:00 PM	* 034-01-CDH-01-08	Prenatal Imaging Factors Associated with Gastrointestinal Morbidity in Congenital Diaphragmatic Hernia	Mariatu Verla
15:10 PM	035-01-CDH-01-09	Maternal risk factors in Congenital Diaphragmatic Hernia: A Nationwide Population based study	Carmen Mesas Burgos
15:20 PM	036-01-CDH-01-10	Heterogeneous Pulmonary Response Following Fetal Tracheal Occlusion in The Rabbit Congenital Diaphragmatic Hernia Model	Rony Marwan
15:30 PM	* 037-01-CDH-01-11	Myogenic Progenitor Cells Seeded on Extracellular Matrix Demonstrate Short Term Engraftment in a Rodent Model of Congenital Diaphragmatic Hernia	Laura Galganski
15:40 PM	* 038-01-CDH-01-12	The Development of a Prognostic Tool for Gastroschisis Based on Prenatal Sonographic Findings	Lindel Dewberry
15:50 PM	* 040-01-CDH-01-14	Timing of Postnatal Resection in Congenital Lung Malformations	Candace Style
16:00 PM	* 041-01-CDH-01-15	Fetal Goiter: Antenatal Diagnosis and Management	Manjula Budidapadu
16:10 PM	* 042-01-CDH-01-16	Renal Agenesis Fetal Therapy (RAFT) Multicenter Trial Update	Eric Jelin
16:20 PM	132-01-CDH-01-17	Smart Tracheal Occlusion	Jan Deprest
16:30 PM	BEVERAGE BREAK		
Announcements / Adjourn			
17:00 PM	The Rise, Fall and Re-Emergency of Asia (as a Global Powerhouse)		Jeya Ayadurai

Thursday, 9th August 2018

07:00 AM	IFMSS Executive Board Meeting: to be held in the Sadewa Room			IFMSS Board Members
08:20 AM	Housekeeping announcements			Mahesh Choolani
Meningomyelocele: Session 1 (MMC-01)				
Chairpersons: Mark Johnson and Ramesha Papanna				
08:30 AM	043-02-MMC-01-01	Cryopreserved Human Umbilical Cord (HUC) Patch for In-Utero Spina Bifida Repair Preserves Posterior Column Tracts and Improves Spinal Cord Function		Lovepreet Mann
08:40 AM	044-02-MMC-01-02	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
08:50 AM	* 045-02-MMC-01-03	MOMS Plus: Single Institution Review of Outcomes for Extended BMI Criteria for Open Fetal Repair of Myelomeningocele		Sarah Hilton
09:00 AM	* 046-02-MMC-01-04	Feasibility and Safety of Single-Port Fetoscopy for Spina Bifida Repair in the Fetal Lamb Model		Luc Joyeux
09:10 AM	* 047-02-MMC-01-05	Learning Curve Analysis in a Rabbit Training Model Simulating Spina Bifida Fetoscopic Repair by Single Access		Luc Joyeux
09:20 AM	* 048-02-MMC-01-06	The Compensatory Reserve Index: Potential to prevent fetal decompensation during myelomeningocele closure		David Leopold
09:30 AM	* 049-02-MMC-01-07	Risk factors for Preterm Birth following open fetal Myelomeningocele Repair - Results from a prospective Cohort		Maike Kahr
09:40 AM	* 050-02-MMC-01-08	Prenatal Fractional Thigh Volume in Spina Bifida Patients as an Assessment Tool for Postnatal Motor Function		Roopali Donepudi
09:50 AM	* 051-02-MMC-01-09	Transamniotic Stem Cell Therapy (TRASCET) in a Leporine Model of Spina Bifida		Hester F Shieh
10:00 AM	052-02-MMC-01-10	Who says A must say B: a comprehensive postnatal follow-up program for patients with fetal spina bifida repair		Luca Mazzone
10:10 AM	053-02-MMC-01-11	Fetal Surgery for Spina Bifida: Comparison of Results from the “The Zurich Center for Fetal Diagnosis and Therapy” and the “MOMS-Trial”		Martin Meuli
10:20 AM	BEVERAGE BREAK			

Meningomyelocele: Session 2 (MMC-02)			
Chairpersons: Francois Luks and Oluyinka Olutoye			
10:40 AM	055-02-MMC-02-02	Amniotic CO2 Insufflation Induces Fetal Hypercapnia Acidosis and Neuro-Inflammation in a Sheep Model	Marcus Davey
10:50 AM	056-02-MMC-02-03	Set up an Amniotic Fluid Stem Cell-Derived Induced Pluripotent Stem Cells Disease Model and in Utero Therapy for Spina Bifida	Steven Shaw
11:00 AM	057-02-MMC-02-04	Fetal Surgery for Spina Bifida: Maternal and perinatal results with a novel hysterotomy techniques	Adolfo Etchegaray
11:10 AM *	058-02-MMC-02-05	Fetal Surgery for Spina Bifida in Zurich - behind the scenes	Barbara Casanova
11:20 AM	059-02-MMC-02-06	Reliability of MR-based Posterior Fossa and Brain Stem Measurements in Spina Bifida Aperta in the era of Fetal Surgery	Thomas Deprest
11:30 AM	060-02-MMC-02-07	In utero Hepatitis B Immunization during Fetal Surgery for Myelomeningocele	Ueli Moehrlen
11:40 AM	061-02-MMC-02-08	Maternal and Perinatal Outcomes of Open in Utero Repair of Myelomeningocele from a Public Tertiary Center	Victor Bunduki
11:50 AM	062-02-MMC-02-09	Preliminary Surgical and Perioperative Findings of Open In Utero Repair of Myelomeningocele	Victor Bunduki
12:00 PM *	063-02-MMC-02-10	Open Intrauterine Fetal Myelomeningocele Repair: Learning Curve of the Surgical Procedure and Perinatal Complications.	Maike Kahr
12:10 PM	064-02-MMC-02-11	Fetoscopic MMC Repair: A Pilot Study	Lim Foong Yen
12:20 PM	065-02-MMC-02-12	Fetoscopic Spina Bifida repair: Optimization of Techniques using an In-Vitro Uterus-Fetal Model	Ramesha Papanna
12:30 PM *	066-02-MMC-02-13	High Dose Placental Mesenchymal Stromal Cells Provide Neuron Preservation In Ovine Myelomeningocele	Laura Galganski
12:40 PM *	067-02-MMC-02-14	Can Fetal MRI Predict Bladder Dysfunction in Patients with Neural Tube Defects?	Morgan Telesmanich
12:50 PM *	039-02-MMC-02-15	Heated Humidified Amniotic Insufflation Reduces Fetal Acid Base Disturbances and Uterine Membrane Inflammation in Sheep	Benjamin Amberg

13:00 PM	LUNCH		
Noninvasive Prenatal Screening and Diagnosis (NPS-01)			
Chairpersons: Mark Evans and Steven Shaw			
13:50 PM	068-02-NPS-01-01	The Epidemic of Fetal Abnormalities being missed because of NIPT.	Mark Evans
14:00 PM	069-02-NPS-01-02	Trophoblast Isolation from Endocervical Aspirate using Microfluidic Chip and Antibody Cocktail for Non-Invasive Prenatal Diagnosis	Mahesh Choolani
14:10 PM	117-03-PER-01-06	Peripartum Maternal Antibiotic Administration Alters Neonatal Intestinal Microbiota	Mahesh Choolani
14:20 PM	070-02-NPS-01-03	Noninvasive Pprenatal Diagnosis by Circulating Fetal Nucleated Red Blood Cells and Trophoblasts Using Silicon-Based Nanostructured Microfluidics	Steven Shaw
14:30 PM	* 071-02-NPS-01-04	Application of Cell-Free DNA Size-Based Approach in multiple pregnancy	Xue Shuya
14:40 PM	* 072-02-NPS-01-05	Develop a Non-Invasive Prenatal Screening for Fetal Aneuploidies Using Next-Generation Sequencing in Vietnam	Thong Nguyen
14:50 PM	073-02-NPS-01-06	Identification and Prenatal Diagnosis of FOXN1 Gene Mutation in a Consanguineous South Indian Couple – First case report from India.	Tulika Tayal
15:00 PM	* 074-02-NPS-01-07	Sex Chromosome Abnormalities Screened by Noninvasive Prenatal Testing from 35,827 singletons	Xiong Shiyi
15:10 PM	* 075-02-NPS-01-08	Does Choice of Surgical Repair of Gastroschisis Affect Nutritional Outcomes?	Avraham Schlager
15:20 PM	* 076-02-NPS-01-09	Severe Growth Restriction: Maternal and Perinatal outcomes- An experience from Fernandez Hospital, India	Sushma Sriramaraja
Genetics & Genomics (GNG-01)			
Chairpersons: The-Hung Bui and Citra Mattar			
15:30 PM	* 077-02-GNG-01-01	Epigenetic Analysis of Regulatory Genes in Extreme Premature Lambs Supported by the EXTra-uterine Environment for Neonatal Development (EXTEND)	Jennifer L. Cohen
15:40 PM	* 078-02-GNG-01-02	Intrauterine Phenotype Features of Four Fetuses with Williams-Beuren Syndrome and Literature Review	Deng Linbei

15:50 PM	*	079-02-GNG-01-03	Chromosome Microarray Analysis Rapidly Captures the Genetic Causes Associated with Spontaneous Miscarriage	Deng Linbei	
16:00 PM	*	080-02-GNG-01-04	Whole Exome Sequencing Improves the Genetic Diagnosis in Fetuses with Increased Nuchal Translucency	Xue Shuya	
16:10 PM	*	081-02-GNG-01-05	RNA-Sequencing Identifies Multiple Genes and Pathways of Neonates Affected by C-Section	Chen Dan	
16:20 PM	*	082-02-GNG-01-06	Seagull Shaped Rib Syndrome, a Unique Case of Genetically Determined Prenatal Disturbance of Calcium Metabolism.	Samuel Welch	
16:30 PM	*	083-02-GNG-01-07	S.I.L.A.F.: A Novel Method for Investigating Fetal Protein Synthesis Reveals Temporal and Tissue-Specific Regulatory Networks	Barbara Coons	
16:40 PM	*	084-02-GNG-01-08	Double Bubble, Double Trouble	Angie Jelin	
16:50 PM	*	085-02-GNG-01-09	Advances in Down Syndrome Disease Modeling Using Human IPSC	Aparna Venkatesh	
17:00 PM		129-03-GTS-01-05	Mesenchymal Stem Cell can Induce Offsprings' Immune Tolerance Against Non-Inherited Antigens in Murine Maternal-to-Fetal Microchimeric Model.	Masayuki Endo	
Young Investigators Open (OPE-01)					
Chairpersons: Diana Farmer and Toyin Olutoye					
17:10 PM	*	086-02-OPE-01-01	In Utero Gene Correction Mediated by PNA-Nanoparticles	Adele Ricciardi	
17:20 PM	*	087-02-OPE-01-02	A Comparison of Clinically Relevant Perinatal Sources of Mesenchymal Stem Cell-Derived Exosomes	Sarah Tracy	
17:30 PM	*	088-02-OPE-01-03	Improving Engraftment Potential of Fetal and Umbilical Cord Haemopoietic Stem Cells Through Coculture with Wharton Jelly Stem Cells in an Intrauterine Transplantation Murine Model	Sarah Li	
17:40 PM	*	089-02-OPE-01-04	Fetal Neuroimaging Biomarkers of Neuropsychiatric Disease	Tayyib T A Hayat	
17:50 PM	*	090-02-OPE-01-05	Contrast-Enhanced Ultrasound Evaluation of Fetal Brain Perfusion Parameters	Ryne Didier	
18:00 PM	*	121-03-OPE-01-06	A Retrospective Review of the Maternal and Neonatal Outcomes in Patients with Elective and Emergency Cervical Cerclages	Karen Lim	
Announcements / Adjourn					
18:10 PM		Understanding Indonesia: From Ancient Empires to a Modern Democratic State			Jeya Ayadurai

Saturday, 11th August 2018

08:15 AM Housekeeping Announcements

Fetal Surgery and Artificial Placenta (SAP-01)

Puri Kencana
Grand Ballroom

Chairpersons: Alan Flake and Karin Blakemore

08:30 AM 091-03-SAP-01-01 Enhanced Recovery after Anesthesia and Surgery (ERAS) Protocol for In-Utero Fetal Surgery Toyin Olutoye

08:40 AM 092-03-SAP-01-02 Navigare Nesse Est Sverker Ek

08:50 AM 093-03-SAP-01-03 From the Artificial Placenta to Breathing Air in Premature Lambs George Mychaliska

09:00 AM 094-03-SAP-01-04 Hepatic Effects after Support on the Artificial Placenta George Mychaliska

09:10 AM 095-03-SAP-01-05 Parental Perspectives of Coordinated Care - Before and After Implementation of a Fetal Center Stephen J. Fenton

09:20 AM 096-03-SAP-01-06 Gastrointestinal Mucosal Development and Injury in Premature Lambs Supported by the Artificial Placenta George Mychaliska

09:30 AM 097-03-SAP-01-07 Predictors of Mortality in ELGANS: A Prelude to the Artificial Placenta George Mychaliska

9:40 AM 140-03-SAP-01-08 It is time to revisit the maternal criteria for selection of NTD surgery Karolina Adam

Fetal Heart, Lung, Lymph, Thyroid, Kidney and Gut (ORG-01)

Chairpersons: Anita Moon-Grady and Peter Lindgren

09:50 AM 098-03-ORG-01-01 Fetal Cardiac Intervention for Pulmonary Stenosis or Atresia with Intact Ventricular Septum: A Report from the International Fetal Cardiac Intervention Registry Anita Moon-Grady

10:00 AM 099-03-ORG-01-02 Atypical Presentation of CHAOS due to Associated Tracheoesophageal Fistula Darrell L. Cass

10:10 AM 100-03-ORG-01-03 Human Fetal Hearts with Tetralogy of Fallot has Altered Fluid Mechanical Force Environment from Normal Fetal Hearts Citra Mattar

10:20 AM 101-03-ORG-01-04 Isolated Fetal Ascites-A Case Series of Fetal Outcomes in a North Indian Population to Determine Which Investigation was Most Useful to Diagnose the Underlying Pathology in a Resource Limited Setting Anita Kaul

10:30 AM 102-03-ORG-01-05 Early delivery in fetal gastroschisis: a randomized controlled trial of elective 34 week delivery versus routine obstetrical care. Alireza Shamshirsaz

10:40 AM 103-03-ORG-01-06 Histologic Appearance of Iatrogenic Hydrocephalus in the Lamb Model Stephen Emery

10:50 AM BEVERAGE BREAK			
Imaging (IMG-01)			
Chairpersons: Stephen Emery and Judy Estroff			
11:00 AM	104-03-IMG-01-01	The World is not Black and White:- The World is Shades of Grey	Kevin Pringle
11:10 AM	105-03-IMG-01-02	Art + Science In Utero	Francois Luks
11:20 AM	106-03-IMG-01-03	Transvaginal Three-Dimensional Assessment of Sylvian Fissures at 18-30 weeks gestation	Liona Poon
11:30 AM	107-03-IMG-01-04	Unreliability of Standard Fetal Imaging Biomarkers for Prediction of Lethal Fetal Pulmonary Hypoplasia	Richard B. Parad
11:40 AM	108-03-IMG-01-05	Ultrasonic Diagnosis Techniques of Esophageal Duplication Cyst in the Neck	Huang Lan
11:50 AM	109-03-IMG-01-06	Fetal MRI at 3T between 12 and 16 weeks gestation: Feasible, Diagnostic and Safe	Judy A. Estroff
12:00 PM	110-03-IMG-01-07	Prediction of Fetal Anemia in Subsequent Transfusions – Is There a Need to Change the Threshold of Middle Cerebral Artery - Peak Systolic Velocity (MCA - PSV)?	Prathima Radhakrishnan
12:10 PM	111-03-IMG-01-08	Color Tissue Doppler Derived Myocardial Performance Index Measured by An Automated Technique Reflects Fetal Acid-Base Status	Ganesh Acharya
12:20 PM LUNCH			
Perinatal Health (PER-01)			
Chairpersons: Mark Evans and Liona Poon			
13:20 PM	112-03-PER-01-01	Re-engineering Fetal Monitoring to Reduce Cerebral Palsy and Cesarean Sections	Mark Evans
13:40 PM	113-03-PER-01-02	Obstetric and Neonatal Outcomes Associated with an Antenatal Surveillance Program for Pregnancies Complicated by Gastroschisis	Mark Johnson

13:50 PM	115-03-PER-01-04	Predicting Intrauterine Tranfusion Interval and Perinatal Outcomes in Alloimmunized Pregnancies: Time-to-Event Analysis	Edmond N Kelly
14:00 PM	116-03-PER-01-05	Outcomes of Patients with Prenatally Diagnosed Hemoglobin Bart's Diseasel in Ontario, Canada	Edmond N Kelly
14:10 PM	118-03-PER-01-07	Measurement of Biomarkers for First-Trimester Preeclampsia Screening in Asia	Liona Poon
14:20 PM	119-03-PER-01-08	Validation of Screening Performance of First-Trimester Prediction Algorithm for Preeclampsia in an Asian Population	Liona Poon
14:30 PM	120-03-PER-01-09	Screening for Preeclampsia by Maternal Characteristics, Uterine Artery Doppler and Biomarkers at 11-13 weeks Gestation in Twin Pregnancy	Sun Luming
14:40 PM	122-03-PER-01-11	Motorizing and Optimizing Ultrasound Strain Elastography for Detecting Intrauterine Growth Restriction Pregnancies	Citra Mattar
15:00 PM	123-03-PER-01-12	Challenges in Serological Screening for Recent ZIKA Infections in Pregnancy: Results of a Hospital Based Cohort in Dengue-Endemic Singapore	Chan Shiao-Yng
15:10 PM	141-03-PER-01-13	Pregnancy outcomes after bariatric surgery	Anita Kale
15:30 PM	BEVERAGE BREAK		
Gene Therapy & Stem Cells (GTS-01)			
Chairpersons: Mahesh Choolani			
15:40 PM	125-03-GTS-01-01	Efficacy of Early and Late Gestational AAV-IUGT in a Non-Human Primate Model	Citra Mattar
15:50 PM	126-03-GTS-01-02	Maternal Immune Cell Trafficking in a Murine Model of Allogeneic Intrauterine Haemopoietic Stem Cell Transplantation	Citra Mattar
16:00 PM	127-03-GTS-01-03	First in utero AAV-based Genomeediting to Cure a Mouse Model of Liver Disease: Hereditary Tyrosinemia type 1	Joseph Lillegard
16:10 PM	128-03-GTS-01-04	In Utero Liver-Directed Lentiviral Gene Therapy Cures a Pig Model of Hereditary Tyrosinemia type 1	Joseph Lillegard
16:20 PM	130-03-GTS-01-06	Toxicity of Early and Late Gestational AAV-IUGT in a Non-Human Primate Model	Citra Mattar
16:30 PM	131-03-GTS-01-07	Immunological Response to AAV-IUGT Administered in Early Gestation in a Non-Human Primate Model	Citra Mattar
16:40 PM	143-03-GTS-01-08	Fetal Therapy for Alpha Thalassaemia Major: Developing a Clinical Trial and International Registry	Kristen Gosnell

Asia Outreach Abstracts (AOA)			
Chairpersons: Mahesh Choolani and Sun Luming			
17:00 PM	133-03-AOA-01-01	Risk Factors Analysis of Neonatal Postoperative Mortality in Meconium Peritonitis Patients	Mei Shanshan
17:10 PM	135-03-AOA-01-03	Management Algorithm and Clinical Outcome of Fetal Congenital Diaphragmatic Hernia: Experience of a Tertiary Center in Mainland China	Wei Zhong
17:20 PM	136-03-AOA-01-04	Fetal Lymphangioma: Prenatal Diagnosis on Ultrasound, Treatment,and Prognosis	Li Jiaoling
17:30 PM	137-03-AOA-01-05	How to Make an Accurate Diagnosis of Fetal Pyriform Sinus Fistula In Utero: Experience at a Single Medical Center in Mainland China	Han Jin
17:40 PM	138-03-AOA-01-06	The Value of Prenatal MRI and Ultrasound in the Diagnosis of Congenital Esophageal Atresia	Huang Li
17:50 PM	139-03-AOA-01-07	Perinatal Outcomes of Thoracoamniotic Shunting for Fetal Primary Pleural Effusions: A Single Center Experience	Wei Xing
18:00 PM	142-03-AOA-01-08	Predicting Need for Surgery and Poor Outcomes in Newborns with Meconium Peritonitis Regression Models based on 49 Cases	Yan Feng
18:30 PM	Business Meeting		

*Young Investigators