Sunday, September 26, 2010

1:55pm-4:10pm  Chest  Session:  9 presentations  (10 minute presentation, followed by 5 minute Q&A)

1:55pm-2:10pm
Name: Endo Masayuki
Organization: The Center for Fetal diagnosis and treatment. The Children's Hospital of Philadelphia
Abstract Title: A Longitudinal study of the intrauterine growth of echogenic fetal lung masses

2:10pm-2:25pm
Name: LIM FOONG-YEN
Organization: FETAL CARE CENTER OF CINCINNATI
Abstract Title: High Risk Fetal Congenital Pulmonary Airway Malformation (CPAM): Variable Response to Steroids

2:25pm-2:40pm
Name: Hirose Shinjiro
Organization: University of California San Francisco School of Medicine
Abstract Title: Prenatal steroids for large CCAMs

2:40pm-2:55pm
Name: POLZIN WILLIAM
Organization: FETAL CARE CENTER OF CINCINNATI
Abstract Title: Thoraco-amniotic (TA) Shunting for High Risk Fetal Congenital Pulmonary Airway Malformation (CPAM)

2:55pm-3:10pm
Name: Rubio Eva
Organization: The Fetal Care Center of Cincinnati, Cincinnati Children's Hospital
Abstract Title: Fetal Magnetic Resonance Imaging Features of Fetal Mediastinal Teratoma

3:10pm-3:25pm
Name: Welch Ross
Organization: Derriford Hospital, Plymouth, UK
Abstract Title: CHAOS
3:25pm-3:40pm
Name: Turner Christopher G
Organization: Children's Hospital Boston - USA
Abstract Title: A LARGE ANIMAL MODEL OF THE FETAL TRACHEAL STENOSIS/ATRESIA SPECTRUM

3:40pm-3:55pm
Name: Kline-Fath Beth M
Organization: Cincinnati Children's Hospital Medical Center
Abstract Title: Congenital Lung Lesions: Prenatal MRI and Postnatal Correlation

3:55pm-4:10pm
Name: Kline-Fath Beth M
Organization: Cincinnati Children's Hospital Medical Center
Abstract Title: CPAM Volume Ratio and Discriminating Congenital Lung Lesion Type

Sunday, September 26, 2010

4:15 pm-6:45 pm  CDH Session: 10 presentations (10 minute presentation, followed by 5 minute Q&A)

4:15pm-4:30pm
Name: Kitano Yoshihiro
Organization: Division of Surgery, National Center for Child Health and Development, Tokyo, Japan
Abstract Title: Reevaluation of Stomach Position as a Simple Prognostic Factor in Fetal Left Congenital Diaphragmatic Hernia: A Multicenter Survey in Japan

4:30pm-4:45pm
Name: Peiró Jose L
Abstract Title: EXTRALOBAR Bronchopulmonary sequestration associated with fetal severe CDH may interfere with the calculation of the LHR before offering fetoscopic tracheal occlusion.

4:45pm-5:00pm
Name: Olutoye Oluyinka O
Organization: Texas Children's Hospital, Baylor College of Medicine
Abstract Title: Does prenatal evaluation and perinatal management plan impact outcomes in CDH?
5:00pm-5:15pm
Name: Ruano Rodrigo
Organization: Texas Children's Fetal Center
Abstract Title: Prediction of neonatal outcome in 35 fetuses with severe congenital diaphragmatic hernia submitted to percutaneous fetal tracheal occlusion by different lung parameters

5:15pm-5:30pm
Name: Harrison Michael
Organization: University of California San Francisco School of Medicine
Abstract Title: Long term follow up of patients with prenatally diagnosed CDH (Harrison)

5:30pm-5:45pm
Name: Deprest Jan A
Organization: University Hospital Leuven
Abstract Title: Neonatal

5:45pm-6:00pm
Name: Peiró Jose L
Organization: Fetal Surgery Program, Hospital Universitari Vall d'Hebron, Barcelona, Spain.
Abstract Title: TRACHEOMEGALY AS A CONSEQUENCE OF FETAL TRACHEAL OCCLUSION IN PATIENTS WITH SEVERE CONGENITAL DIAPHRAGMATIC HERNIA.

6:00pm-6:15pm
Name: Yang Edmund
Organization: St. Louis Fetal Care Institute, Departments of Pediatric Surgery, Obstetrics and Gynecology, and Radiology, Saint Louis University
Abstract Title: Initial Human Experience Using Hydrogel Polymers for Tracheal Occlusion in Liver Up Congenital Diaphragmatic Hernia

6:15pm-6:30pm
Name: Harrison Michael
Organization: University of California San Francisco School of Medicine
Abstract Title: Maternal treatment with Sildenafil for CDH

6:30pm-6:45pm
Name: CHUNG JAEHEE
Organization: Cincinnati Children's Hospital Medical Center, Cincinnati
Abstract Title: The Comparison Study between Transversus Abdominis Muscle Flap (TAMF) and Prosthetic Patch for Large Congenital Diaphragmatic Hernia (CDH) Repair
**Monday, September 27, 2010**

<table>
<thead>
<tr>
<th>9:00am-11:15am</th>
<th>Advanced Technology Session: 9 presentations (10 minute presentation, followed by 5 minute Q&amp;A)</th>
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</thead>
</table>
| 9:00am-9:15am  | Name: Justin Klein D  
Organization: Children's Hospital Boston - USA  
Abstract Title: CHEST WALL REPAIR WITH ENGINEERED FETAL NANOBONE GRAFTS: AN EFFICACY ANALYSIS IN AN AUTOLOGOUS LEPORINE MODEL |
| 9:15am-9:30am  | Name: Turner Christopher G  
Organization: Children's Hospital Boston - USA  
Abstract Title: PRE-CLINICAL REGULATORY VALIDATION OF AN ENGINEERED DIAPHRAGMATIC TENDON MADE WITH AMNIOTIC MESENCHYMAL STEM CELLS |
| 9:30am-9:45am  | Name: Hotta Sayo  
Organization: Clinical Research Center, National Center for Child Health  
Abstract Title: Blood vessel occlusion using high-intensity focused ultrasound (HIFU): minimally invasive therapy of fetal tumors |
| 9:45am-10:00am | Name: Kitazumi Gontaro  
Organization: National Center for Child Health and Development  
Abstract Title: HIFU automatic focusing guidance systems |
| 10:00am-10:15am| Name: SHAWKAT Shamim Ara  
Organization: Clinical Research Center, National Center for Child Health and Development, Tokyo, Japan  
Abstract Title: Continuous Noninvasive Fetal Electrocardiogram (FECG) Monitoring at Various Gestational ages considering Fetus Movement and Very Weak Fetus Signal |
| 10:15am-10:30am| Name: Murakami Yukio  
Organization: NHK (Japan Broadcasting Corporation)  
Abstract Title: Applications of the “Super Hi-Vision” Ultrahigh-definition Broadcasting System in Medicine with the High-resolution Plasma Display |
10:30am-10:45am
Name: Yamashita Hiromasa
Organization: The University of Tokyo
Abstract Title: Advanced Miniature Manipulator for Minimal Invasive Fetal Surgery

10:45am-11:00am
Name: Yamanaka Noriaki
Organization: The University of Tokyo
Abstract Title: An Endoscope Steering a Laser Beam for Twin-to-twin transfusion syndrome

11:00am-11:15am
Name: ZHANG Bo
Organization: Graduate School of Science and Engineering, Waseda University
Abstract Title: Development of Robotic Manipulator for minimally invasive fetal surgery of CDH

Monday, September 27, 2010

11:15am-12:45pm  Gene Therapy & Hematology  Session I  6 presentations (10 minute presentation, followed by 5 minute Q&A)

11:15am-11:30am
Name: CHUNG JAEHEE
Organization: Division of Pediatric General, Thoracic and Fetal Surgery, Cincinnati Children's Hospital Medical Center, Cincinnati
Abstract Title: Site specific Intra-placental Gene Transfer Corrects Fetal Growth Restriction in a Novel Mouse Model of Placental Insufficiency (PI)

11:30am-11:45am
Name: Endo Masayuki
Organization: Department of Surgery and The Children's Center for Fetal Research, The Children's Hospital of Philadelphia, Philadelphia, PA
Abstract Title: Developmental Stage and Delivery mode Determines Distribution and Duration of Gene Expression after Intrauterine Gene Transfer Using Lentiviral Vectors

11:45am-12:00pm
Name: Endo Masayuki
Organization: The Children's Center for Fetal Research, The Children's Hospital of Philadelphia
Abstract Title: Fetal gene therapy for Herlitz junctional epidermolysis bullosa in a mouse model
12:00pm-12:15pm
Name: MATTAR CITRA N.
Organization: EXPERIMENTAL FETAL MEDICINE GROUP, OBSTETRICS AND GYNAECOLOGY, NATIONAL UNIVERSITY OF SINGAPORE
Abstract Title: The utility of AAV9 for targeting CNS, PNS, skeletal musculature and viscera after Intrauterine Gene Therapy (IUGT) in the late gestation macaque fetus

12:15pm-12:30pm
Name: MATTAR CITRA N.
Organization: EXPERIMENTAL FETAL MEDICINE GROUP, OBSTETRICS AND GYNAECOLOGY, NATIONAL UNIVERSITY OF SINGAPORE
Abstract Title: Intrauterine Gene Therapy through systemic delivery of scAAV 8 and 5 at 0.9 gestation with sustained transgene expression in the post-immune non-human primate

12:30pm-12:45pm
Name: Yuan Wenji
Organization: Clinical research center, National Center for Child Health and Development
Abstract Title: Fetal gene therapy: a combination of non-viral vector and ultrasound irradiation

Monday, September 27, 2010
2:00pm-3:15pm
Gene Therapy & Hematology Session II: 5 presentations (10 minute presentation, followed by 5 minute Q&A)

2:00pm-2:15pm
Name: Shaaban Aimen F
Organization: Department of Surgery, University of Iowa Carver College of Medicine, Iowa City, Iowa
Abstract Title: Selection of Tolerant NK Cells is Essential for Long-Term Engraftment following In Utero Transplantation.

2:15pm-2:30pm
Name: Fisk Nicholas
Organization: Faculty of Health Sciences, University of Queensland
Abstract Title: Manipulating homing and engraftment to increase uptake after fetal MSC transplantation

2:30pm-2:45pm
Name: Fisk Nicholas
Organization: Faculty of Health Sciences, University of Queensland
Abstract Title: Generating fetal-like stem cells from inducible pluripotent stem cells and amniotic germ cells
2:45pm-3:00pm
Name: Pringle Kevin C
Organization: Department of Obstetrics and Gynecology, School of Medicine & Health Sciences University of Otago, Wellington, New Zealand
Abstract Title: Antenatal Leukemoid Reaction Presenting as Fetal Pleural Effusions

3:00pm-3:15pm
Name: Miyamoto Yoshitaka
Organization: Nagoya University Graduate School of Medicine
Abstract Title: Effect of human solubilized amnion product (HSAP) on adipose tissue-derived stem cell functions: Possible application of HSAP in fetal medicine

Monday, September 27, 2010

3:30pm-4:45pm
Wound Healing Session : 5 presentations (10 minute presentation, followed by 5 minute Q&A)

3:30pm-3:45pm
Name: Le Louis D.
Organization: Cincinnati Childrens Hospital Medical Center
Abstract Title: Novel Mechanisms of the Anti-Inflammatory Cytokine IL-10 in Regenerative Fetal Wound Repair

3:45pm-4:00pm
Name: Justin Klein D
Organization: Children’s Hospital Boston - USA
Abstract Title: Amniotic Cells Enhance Normal Fetal Wound Healing

4:00pm-4:15pm
Name: Papadopulos Nikolaos A
Organization: Dept. of Plastic & Hand Surgery, & 3 Dept. of Dermatology, Munich Technical University, Munich Germany.
Abstract Title: Mesenchymal Stem Cells: A new perspective in Fetal Membrane Healing after Intrauterine Surgery?

4:15pm-4:30pm
Name: Haller Claudia M
Organization: University Hospital Zurich
Abstract Title: Mussel-mimetic sealant for fetal membrane repair
4:30pm-4:45pm
Name: Papanna Ramesha
Organization: Baylor College of Medicine
Abstract Title: Adhesive complex coacervates: The Sealant for an iatrogenic fetoscopic defect

Tuesday, September 28, 2010

8:00am-9:00am Neurology/MMC Session – 4 presentations (10minute presentation, followed by 5 minute Q&A)

8:00am-8:15am
Name: Chan Jerry
Organization: Experimental Fetal Medicine Group, Department of Obstetrics & Gynaecology, Yong Loo Lin School of Medicine, National University Health System, Singapore
Abstract Title: Efficacy of Human Neural Stem Cells from Different Regions of the Second Trimester Central Nervous System to Differentiate into Dopaminergic Neurons

8:15am-8:30am
Name: Encinas Jose L
Organization: Pediatric Surgery Department. La Paz University Hospital, Madrid. Spain.
Abstract Title: Both extremes of bladder malformations with mild histological changes are present in the surgically induced model of myelomeningocele.

8:30am-8:45am
Name: Encinas Jose L
Organization: Department of Pediatric Surgery. Hospital Universitario La Paz. Madrid
Abstract Title: Cerebral cortical malformations and hydrocephalus are present in the surgically induced model of myelomeningocele. Implications for fetal neurosurgery

8:45am-9:00am
Name: Watanabe Miho
Organization: Children's Hospital of Philadelphia, Abramson
Abstract Title: A Tissue Engineering Approach for Prenatal Closure of Myelomeningocele
Tuesday, September 28, 2010

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<th>Time</th>
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<tr>
<td>9:00am-10:00am</td>
<td><strong>Asian Session - 4 presentations (10minute presentation, followed by 5 minute Q&amp;A)</strong></td>
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</table>
| 9:00am-9:15am  | **Name:** Shyu Ming-Kwang  
**Organization:** Department of Obstetrics & Gynecology, Medical College & Hospital, National Taiwan University  
**Abstract Title:** Hydrops fetalis and intrauterine therapy due to anti-M alloimmunization. |
| 9:15am-9:30am  | **Name:** Aoba Takeshi  
**Organization:** Division of Pediatric Surgery, St. Marianna University School of Medicine  
**Abstract Title:** Early obstructive renal developmental changes in the fetal lamb |
| 9:30am-9:45am  | **Name:** Nakamura Yasushi  
**Organization:** National Center for Child Health and Development  
**Abstract Title:** Could we establish the global standard in screening and evaluation for fetal anomalies? |
| 9:45am-10:00am | **Name:** Aziz M.A.  
**Organization:** Dhaka Shishu (Children) Hospital, Bangladesh  
**Abstract Title:** The prospect of foetal surgery from prevailing neonatal surgical perspective in Bangladesh |
| 10:30am-1:00pm | **Asian Telemedicine Trials**  
**Participating countries:** Taiwan, Hong Kong, Singapore, Korea, Philippines, Vietnam and Japan |
Wednesday, September 29, 2010

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<th>Time</th>
<th>Session Description</th>
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<td>8:00am-10:45am</td>
<td>Twin Session: 11 presentations (10 minute presentation, followed by 5 minute Q&amp;A)</td>
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8:00am-8:15am
Name: Hayashi Satoshi
Organization: Division of Fetal Medicine, National Center for Child Health and Development
Abstract Title: The efficacy of radiofrequency ablation for TRAP sequence and postnatal outcome

8:15am-8:30am
Name: Lewis David F.
Organization: Fetal Care Center of Cincinnati, University of Cincinnati
Abstract Title: Radiofrequency Ablation in Complicated Twins: A Review of One Centers Experience

8:30am-8:45am
Name: Hirose Shinjiro
Organization: University of California San Francisco School of Medicine
Abstract Title: Neurologic outcomes after radiofrequency ablation for anomalous twins

8:45am-9:00am
Name: Sago Haruhiko
Organization: National Center for Child Health and Development
Abstract Title: The Outcome and Risks of Twin-to-twin Transfusion Syndrome after Fetoscopic Laser Surgery

9:00am-9:15am
Name: De Lia Julian E
Organization: International TTTS Institute - WFHC St. Joseph
Abstract Title: Maternal Metabolic Abnormalities in TTTS

9:15am-9:30am
Name: Crombleholme Timothy M
Organization: The Fetal Care Center of Cincinnati, Cincinnati Children's Hospital
Abstract Title: The Relationship between Amniotic Fluid Levels of Brain-type Natriuretic Peptide and Recipient Cardiomyopathy in Twin Twin Transfusion Syndrome
9:30am-9:45am
Name: Lewis David F.
Organization: Fetal Care Center of Cincinnati, University of Cincinnati
Abstract Title: Prevalence and Progression of Recipient Twin Cardiomyopathy in Early Stage Twin-Twin Transfusion Syndrome

9:45am-10:00am
Name: Crombleholme Timothy M
Organization: The Fetal Care Center of Cincinnati, Cincinnati Children's Hospital
Abstract Title: Improved Recipient Survival with Maternal Nifedipine in Twin-Twin Transfusion Syndrome (TTTS) Complicated by TTTS-Cardiomyopathy Undergoing Selective Fetoscopic Laser Photocoagulation

10:00am-10:15 am
Name: Moise Jr Kenneth J
Organization: Baylor College of Medicine
Abstract Title: COMPARISON OF SELDINGER VS. DIRECT ENTRY TECHNIQUE TO INTRODUCE CANNULA FOR FETOSCOPIC LASER SURGERY FOR TWIN TWIN TRANSFUSION SYNDROME

10:15am-10:30am
Name: Oepkes Dick
Organization: Leiden University Medical Center
Abstract Title: Monochorionic triplets with TTTS: management dilemma's and review

10:30am-10:45am
Name: Oepkes Dick
Organization: Leiden University Medical Center
Abstract Title: Selective feticide in MonoAmniotic twins: a multicenter study

Wednesday, September 29, 2010

11:00am-11:15am
Name: Bornes Marie
Organization: Department of Prenatal Diagnosis. Hopital Robert Debré.
Abstract Title: Fetal megacystis at 10-24 weeks of gestation.
11:15am-11:30am
Name: Bornes Marie
Organization: Department of Prenatal Diagnosis. Hôpital Robert Debré.
Abstract Title: Fetal megacystis after 24 weeks of gestation.

11:30am-11:45am
Name: Nicksa Grace A
Organization: Department of Surgery, Children’s Hospital Boston & Harvard Medical School
Abstract Title: Correlation Between Prenatal Urinary Matrix Metalloproteinase Activity and the Degree of Kidney Damage in a Large Animal Model of Congenital Obstructive Uropathy

11:45am-12:00pm
Name: Pringle Kevin C
Organization: Department of Obstetrics and Gynecology, School of Medicine & Health Sciences, University of Otago, Wellington, New Zealand
Abstract Title: Studies in obstructive uropathy: What price the model?

12:00pm-12:15pm
Name: Pringle Kevin C
Organization: Department of Obstetrics and Gynecology, School of Medicine & Health Sciences, University of Otago, Wellington, New Zealand
Abstract Title: Urinoma formation as an explanation for different types of renal dysplasia in a “tight” model

12:15pm-12:30pm
Name: Kitagawa Hiroaki
Organization: St. Marianna University School of Medicine
Abstract Title: Early renal & bladder wall changes after lower urinary tract obstruction in fetal lambs
Wednesday, September 29, 2010

1:30pm-2:30pm  Screening Session:  4 presentations  (10 minute presentation, followed by 5 minute Q&A)

1:30pm-1:45pm
Name:  Mitchell Aoy
Organization: Medical College of Wisconsin
Abstract Title: Measurement and Optimization of Circulating Fetal DNA from Maternal Blood- Formative Pilot in the National Children's Study

1:45pm-2:00pm
Name:  Evans Mark
Organization: Mt. Sinai School of Medicine
Abstract Title: Skewed to the left: Under-measurement of NT's and poor screening performance

2:00pm-2:15pm
Name:  Evans Mark
Organization: Mt. Sinai School of Medicine
Abstract Title: Performance Adjusted risks. A method to improve screening performance

2:15pm-2:30pm
Name:  Bunduki Victor
Organization: University of Sao Paulo Medical School, Brazil
Abstract Title: Prenasal thickness in trisomy-21 fetuses at 16-24 weeks

2:30pm-3:30pm  Imaging Session:  4 presentations  (10 minute presentation, followed by 5 minute Q&A)

2:30pm-2:45pm
Name:  Bunduki Victor
Organization: University of Sao Paulo Medical School, Brazil
Abstract Title: Precision of conventional two dimensional and three dimensional sonography in the evaluation of the site of the lesion in fetuses with spina bifida aperta

2:45pm-3:00pm
Name:  Rubio Eva
Organization: The Fetal Care Center of Cincinnati, Cincinnati Children's Hospital
Abstract Title: Fetal Magnetic Resonance Imaging Calculation of Lung Volumes in the Clinical Setting of Giant Omphalocele
3:00pm-3:15pm
Name: Achiron Reuven
Organization: Sheba Med Ctr
Abstract Title: Fetal portosystemic venous shunt from diagnosis to counseling

3:15pm-3:30pm
Name: Yamashita Hiromasa
Organization: The University of Tokyo
Abstract Title: Real-time Autostereoscopic Display System for 3D-Ultrasound Image-guided fetal surgery

Wednesday, September 29, 2010

3:30pm-5:15pm
Special Session: 6 presentations (10 minute Presentation, followed by 5 minute Q&A)

3:30pm-3:45pm
Name: Lim Foong-Yen
Organization: FETAL CARE CENTER OF CINCINNATI
Abstract Title: Transthoracic Retrograde Intubation during Ex-Utero Intrapartum Treatment (TRI-EXIT) for Successful Management of a Giant Fetal Cervical Teratoma with Mediastinal Extension

3:45pm-4:00pm
Name: Hirose Shinjiro
Organization: University of California San Francisco School of Medicine
Abstract Title: Fetal sacrococcygeal teratoma EXIT to resection after failed radiofrequency ablation

4:00pm-4:15pm
Name: Bergholz Robert
Organization: Dept. of Pediatric Surgery, Altona Children's Hospital, UKE Medical School Hamburg
Abstract Title: First results of complete fetoscopic management of gastroschisis. A feasibility study in sheep.

4:15pm-4:30pm
Name: Hirose Shinjiro
Organization: University of California San Francisco School of Medicine
Abstract Title: Successful treatment of Amniotic bands with fetal surgery
4:30pm-4:45pm
Name: Endo Masayuki
Organization: The Children's Center for Fetal Research, The Children's Hospital of Philadelphia
Abstract Title: In utero ultrasound-guided atrial septoplasty model for fetuses with hypoplastic left heart syndrome and intact or highly restrictive atrial septum

4:45pm-5:00pm
Name: Westh Henrik
Organization: MRSA KnowledgeCenter, Hvidovre Hospital, University of Copenhagen, Denmark
Abstract Title: Community-Associated MRSA Carriage in Pregnant Women; Pregnancy Related Handling and Cause of Neonatal Ward MRSA Outbreaks

Wednesday, September 29, 2010

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<td>5:10pm-5:55pm</td>
<td>Business Meeting</td>
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5:10pm-5:25pm
Name: Welch Ross
Organization: Derriford Hospital, Plymouth, UK
Abstract Title: The IFMSS Archives

Agenda will be provided later.

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<tr>
<td>5:55pm -6:00pm</td>
<td>Closing Plenary</td>
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