

SCIENTIFIC PROGRAM

Sunday, May 19, 2013

16:00-18:00 Registration

19:30-21:30 Welcome Reception - David Citadel Hotel

Monday, May 20, 2013

08:30 Welcome

09:00-10:00

Cell and Gene Therapy

Chairs: **M. Harrison, R. Welch**

09:00 *V-S Eligible*

NON-VIRAL REPROGRAMMING OF HUMAN AMNIOTIC MESENCHYMAL STEM CELLS

Elliot C. Pennington, MD; Fabienne L. Gray, MD; Azra Ahmed, BS; Alexander L. DeVine, BS; Kelly Fitzgerald, BA; George Q. Daley, MD, PhD; Dario O. Fauza, MD, PhD
Department of Surgery, Boston Children's Hospital and Harvard Medical School, Boston, MA, USA
*Got Travel Award

09:10 *V-S Eligible*

PRENATAL AD.VEGF GENE THERAPY - A NOVEL TREATMENT FOR FETAL GROWTH RESTRICTION

David J. Carr^{1,2}, Raymond P. Aitken², John S. Milne², Vedanta Mehta^{1,3}, Donald M. Peebles¹, John F. Martin³, Ian C. Zachary³, Jacqueline M. Wallace², Anna L. David¹
¹Prenatal Cell and Gene Therapy Group, UCL Institute for Women's Health, University College London, London, UK, ²Rowett Institute of Nutrition and Health, University of Aberdeen, Aberdeen, UK, ³Department of Cardiovascular Medicine, University College London, London, UK
*Got Travel Award

09:20 EARLY INTRAUTERINE GENE THERAPY ACHIEVES THERAPEUTIC TRANSGENE EXPRESSION SAFELY AND EFFICIENTLY IN NON-HUMAN PRIMATES

Citra N. Mattar¹, Arijit Biswas¹, Cecilia Rosales², Rowell Fragata¹, Durga Elangovan¹, Simon N. Waddington³, Amit C. Nathwani², Jerry K.Y. Chan^{1,4,5}, Mahesh Choolani¹
¹Experimental Fetal Medicine Group, Yong Loo Lin School of Medicine, National University of Singapore, Singapore; ²Department of Haematology, University College London, UK; ³Institute for Women's Health, University College London, UK; ⁴Reproductive Medicine, KK Women's and Children's Hospital, Singapore; ⁵Cancer and Stem Cell Biology Program, Duke-NUS Graduate Medical School, Singapore

Monday, May 20, 2013 (cont.)

09:00-10:00

Cell and Gene Therapy (cont.)

09:30 INTRAUTERINE TREATMENT OF THALASSAEMIA MAJOR UTILISING LENTIVIRAL AND HAEMOPOIETIC STEM CELL THERAPIES IN A PRECLINICAL MODEL OF FETAL GENE THERAPY

Niraja Dighe¹, Lay Geok Tan¹, Daren Sandikin¹, Simon Waddington², Steven Shaw³, Michael N. Antoniou⁴, Mahesh Choolani¹, Jerry Chan^{1,4,5}, Citra Mattar¹

¹Experimental Fetal Medicine Group, Department of Obstetrics and Gynecology, Yong Loo Lin School of Medicine, National University of Singapore, Singapore; ²Department of Reproductive Medicine, KK Women's and Children's Hospital, Singapore; ³Department of Obstetrics and Gynaecology, Chang Gung Memorial Hospital at Linkou and Chang Gung University, College of Medicine, Taoyuan, Taiwan; ⁴Cancer and Stem Cell Program, Duke-NUS Graduate Medical School, Singapore; ⁵Institute for Women's Health, Gene Transfer Technology Group, University College London, UK; ⁶Department of Medical and Molecular Genetics, King's College London School of Medicine, Guys Hospital, London, UK

09:40 *V-S Eligible*

TARGETED QUANTITATIVE AMNIOTIC CELL PROFILING: A POTENTIAL NOVEL DIAGNOSTIC TOOL IN THE PRENATAL MANAGEMENT OF NEURAL TUBE DEFECTS

Elliot C. Pennington, MD; Fabienne Gray, MD; Azra Ahmed, BS; David Zurakowski, PhD; Dario O. Fauza, MD, PhD

Department of Surgery, Boston Children's Hospital and Harvard Medical School, Boston, MA, USA

09:50 SIMPLE INTRA-AMNIOTIC DELIVERY OF EXPANDED AMNIOTIC-DERIVED NEURAL STEM CELLS IN A SYNGENEIC MODEL OF SPINA BIFIDA

Christopher G. Turner, MD, MPH; Elliot C. Pennington, MD; Fabienne L. Gray, MD; Azra Ahmed, BS; Yang D. Teng, MD, PhD; Dario O. Fauza, MD, PhD

Department of Surgery, Boston Children's Hospital and Harvard Medical School, Boston, MA, USA

Monday, May 20, 2013 (cont.)

10:00-10:40

Chest - Lungs

10:00 DIAGNOSTIC DISCORDANCE BETWEEN IMAGING & PATHOLOGIC
DIAGNOSES OF FETAL CYSTIC LUNG MALFORMATIONS

Ali Al-Ibrahim, Ashok Mittal, Karel O'Brien, Sharon Unger, Jack Langer,
Ernest Cutz, Rory Windrim, Gareth Seaward, [Greg Ryan](#)
Mount Sinai Medical Center, Toronto, ON, Canada

10:10 MINIMALLY INVASIVE FETAL THERAPY FOR HYDROPIC LUNG MASSES: 3
DIFFERENT APPROACHES

[David Baud*](#), Rory Windrim, John R. Kachura, Ann Jefferies,
Sophia Pantazi, Prakesh Shah, Jacob C. Langer, John Forsey,
Rajiv R. Chaturvedi, Edgar Jaeggi, Sarah Keating, Priscilla Chiu, Greg Ryan
^aFetal Medicine Unit, ^bDepartment of Medical Imaging, ^cDepartment of
Paediatrics, ^fDepartment of Pathology & Laboratory Medicine, Mount
Sinai Hospital; ^dDepartment of Paediatric Surgery, ^eDepartment of
Paediatric Cardiology; The Hospital for Sick Children; University of
Toronto, ON, Canada

10:20 OUTCOMES OF PRENATALLY DIAGNOSED CHEST MASSES IN MULTIFETAL
PREGNANCIES

Jesse D. Vrecenak, Lori J. Howell, [Nahla Khalek](#), Julie S. Moldenhauer,
Mark P. Johnson, Alan W. Flake, Holly L. Hedrick, N. Scott Adzick
Center for Fetal Diagnosis and Treatment, The Children's Hospital of
Philadelphia, PA, USA

10:30 BRONCHOGENIC CYST INDUCED AIRWAY COMPRESSION AND
HYPERINFLATION SYNDROME MANAGED BY EXIT-TO-RESECTION

[Stig Sømme](#), Henry Galan, Jeremy Prager, Timothy Crombleholme
Children's Hospital Colorado, Colorado Fetal Care Center, University of
Colorado School of Medicine, USA

10:40 *Coffee Break*



Monday, May 20, 2013 (cont.)

11:10-12:00

Chest - Other

Chairs: **G. Ryan, H. Gardiner**

- 11:10 ASSESSMENT OF THE EFFICACY OF FETAL AORTIC VALVULOPLASTY: INVESTIGATING INSTITUTIONAL BIAS IN SURGICAL DECISION MAKING
Helena M. Gardiner^{1,2}, Alexander Kovacevic^{1,3}, Michael Roughton⁴, Mats Mellander⁵, Annika Öhman⁶, Gerald Tulzer⁷, Joanna Dangel⁸, Alan G. Magee², Rudolf Mair⁷, Olivier Ghez², Klaus G. Schmidt³
¹Department of Reproductive Biology, Faculty of Medicine, Imperial College London at Queen Charlotte's and Chelsea Hospital, London, UK
²Department of Paediatric and Congenital Cardiac Cardiology and Surgery, Royal Brompton and Harefield Hospital, NHS Foundation Trust, London, UK, ³Department of Paediatric Cardiology, Heinrich Heine University Duesseldorf, Germany, ⁴Medical Statistics, Royal College of Physicians, London, ⁵Department of Paediatric Cardiology, Queen Silvia Children's Hospital, Sahlgrenska University Hospital, Göteborg, Sweden, ⁶Uppsala University Hospital, Uppsala, Sweden, ⁷Children's Heart Centre, Linz, Austria, ⁸Perinatal Cardiology Clinic, 2nd Department of Obstetrics and Gynecology, Medical University of Warsaw, Poland
- 11:20 PRENATAL DIAGNOSIS OF MAJOR CONGENITAL HEART DISEASE COMBINING CENTRAL CARDIAC AUDIT DATABASE AND MATERNITY SCREENING DATA OF 120,198 WOMEN
Helena M. Gardiner^{1,2}, Alexander Kovacevic^{1,2}, Laila B. van der Heijden^{1,2}, Patricia W. Pfeiffer³, Rodney C.G. Franklin², John L. Gibbs⁴, Joan Larovere^{2,5}
¹Department of Reproductive Biology, Faculty of Medicine, Imperial College at Queen Charlotte's and Chelsea Hospital, London, UK, ²Department Paediatric Cardiology, Royal Brompton and Harefield Hospital, NHS Foundation Trust, London, UK, ³Cardiovascular Clinical Outcomes Group, and ⁵Pediatric Cardiac Intensive Care Unit, The Heart Center at Boston Children's Hospital, Boston, USA, ⁴Lead Clinician for Congenital Heart Disease, Central Cardiac Audit Database, NICOR, UK
- 11:30 THE IMPACT OF CONGENITAL HEART DISEASE ON OUTCOME OF INFANTS WITH ESOPHAGEAL ATRESIA
Francesca R. Pluchinotta^{1,2,7} and Offir Ben-Ishay^{2,3}, Samuel C. Schechter^{4,6}, Wayne Tworetzky^{1,2}, Terry L. Buchmiller^{2,3}, Hanmin Lee^{4,6}, Anita J. Moon-Grady^{5,6}
¹Department of Cardiology, ²Advanced Fetal Care Center, ³Department of Surgery, Boston's Children Hospital and Harvard Medical School, Boston, MA, ⁴Department of Surgery, ⁵Department of Pediatrics, Division of Cardiology, Benioff Children's Hospital, ⁶Fetal Treatment Center, University of California at San Francisco, San Francisco, CA, USA, ⁷Pediatric Cardiology Unit, Department of Pediatrics, University of Padova, Padova, Italy

Monday, May 20, 2013 (cont.)

11:10-12:00

Chest - Other (cont.)

11:40 THE DISTENDED FETAL HYPOFARYNX: A NOVEL SONOGRAPHIC SIGN FOR THE PRENATAL DIAGNOSIS OF ESOPHAGEAL ATRESIA WITH OR WITHOUT TRACHEO-ESOPHAGEAL FISTULA

Offir Ben-Ishay^{2,3}, Carol E. Barnewolt^{1,3}, Susan A. Connolly^{1,3}, Andrew Phelps¹, Terry L. Buchmiller^{2,3}, Judy A. Estroff^{1,3}

¹Department of Radiology, ²Department of Surgery, ³Advanced Fetal Care Center, Children's Hospital Boston and Harvard Medical School, Boston, MA, USA

11:50 FETAL PERICARDIAL TERATOMA: A "WHOLEHEARTED" APPROACH

Nahla Khalek, Jesse Vrecenak, Jack Rychik, William Gaynor, Mark Johnson, Holly Hedrick, Alan Flake, N. Scott Adzick

Center for Fetal Diagnosis and Treatment and the Fetal Heart Program at The Children's Hospital of Philadelphia, Philadelphia, PA, USA

12:00 *Short Break*

12:20-13:15

Back - NTD + SCT

Chairs: **K. Bennett, J. Peiro**

12:20 *V-S Eligible*

IDENTIFYING PREDICTORS OF POOR PROGNOSIS FOR PRENATALLY DIAGNOSED SACROCOCCYGEAL TERATOMA: CHANGING THE PARADIGM FOR FETAL SURGERY

Eveline H. Shue¹, Marjan S. Bolouri², Vickie A. Feldstein², Lan Vu¹, Doug Miniati¹, Hanmin Lee¹, Shinjiro Hirose¹

¹Department of Surgery, Division of Pediatric Surgery and Fetal Treatment Center, ²Department of Radiology and Biomedical Imaging, University of California, San Francisco, CA

12:30 MINIMALLY INVASIVE MANAGEMENT OF SCT

Greg Ryan

Fetal Medicine Unit, Mt. Sinai Medical Center, Toronto, Canada

12:40 COLLABORATIVE PRENATAL CARE MODEL FOLLOWING FETAL REPAIR OF MYELOMENINGOCELE

Kelly A. Bennett¹, Mary Anne Carroll¹, Stephane A. Braun², Noel Tulipan³, Mary Dabrowiak⁴, Alicia Crum⁴

¹Obstetrics and Gynecology, ²Plastic Surgery, ³Neurosurgery, ⁴The Fetal Center, Vanderbilt University, Nashville, TN, USA

Monday, May 20, 2013 (cont.)

12:20-13:15

Back - NTD + SCT (cont.)

12:50 PRENATAL REPAIR OF MYELOMENINGOCELE: ST. LOUIS FETAL CARE INSTITUTE EXPERIENCE
Emanuel Vlastos¹, MD; Edmund Yang², MD PhD; Samer Elbabaa³, MD; Kurt Eichholz³, MD
¹Department of Obstetrics, Gynecology and Women's Health, ²Department of Surgery, ³Department of Neurosurgery, St. Louis Univeristy, St. Louis, MO, USA

13:00 NEURAL TUBE DEFECT AMNIOCYTES DO NOT PRODUCE COLLAGEN I
Nynke A. Hosper, Ruud A. Bank and Paul P. van den Berg,
University Medical Center Groningen, Groningen, The Netherlands

13:10 TERATOMA OF THE EYE AFTER EXIT RESECTION FOR SCT IN A PREMATURE INFANT
Stig Sømme, Shane Reeves, Joyce Song, Mark Lovell, Tim Crombleholme
Children's Hospital Colorado, University of Colorado, CO, USA

13:15 *Lunch Break*



14:30-15:40

Twins A

Chairs: **K. Moise, R. Barini**

14:30 MONOCHORIONIC TWINS WITH SELECTIVE GROWTH RESTRICTION: IS THE "GRATACOS CLASSIFICATION" JUSTIFIED?
David Baud^{1,3*}, Peter Kuhn^{1,2}, Regine Lachat^{1,2}, Yvan Vial^{1,3}, Daniel Surbek^{1,2}, Luigi Raio^{1,2}
¹Swiss Fetal Laser Group, ²Departments of Obstetrics and Gynecology, University of Bern, Inselspital, ³University of Lausanne, Switzerland

14:40 CORRELATION BETWEEN CORD INSERTION TYPE AND CHORIONIC VILLUS VASCULARIZATION OF THE CO-TWIN IN DIAMNIOTIC-MONOCHORIONIC TWIN PREGNANCIES
Sharon Chu, Quanfu Mao, Svetlana Shapiro, Sophie L. Luks, Monique E. De Paepe, Francois I. Luks
Department of Pathology, Women and Infants Hospital and Program in Fetal Medicine, Alpert Medical School of Brown University, Providence, RI, USA

Monday, May 20, 2013 (cont.)

14:30-15:40

Twins A (cont.)

- 14:50 STANDARDIZING CARE OF MONOCHORIONIC TWINS AT FIVE TERTIARY CARE CENTERS TO ENABLE PROSPECTIVE OUTCOMES RESEARCH: THE EARLY UCFC EXPERIENCE
Larry Rand¹, MD; Jody Farrell¹, RN; Anita M. Grady¹, MD; Vickie A. Feldstein¹, MD; David Schrimmer², MD on behalf of the University of California Fetal Consortium (UCFC)
¹Department of Obstetrics, Gynecology, and Reproductive Sciences, ²Department of Reproductive Medicine; University of California, San Diego, CA, USA
- 15:00 MONOCHORIONIC TRIPLET PREGNANCIES: A CASE SERIES FROM THE UNIVERSITY OF CALIFORNIA FETAL CONSORTIUM (UCFC)
Kate E. Pettit¹, MD; Larry Rand², MD; Anita M. Grady³, MD; Vickie A. Feldstein^{2,4}, MD; David Schrimmer¹, MD on behalf of the University of California Fetal Consortium
¹Department of Reproductive Medicine, ²Department of Obstetrics, Gynecology, and Reproductive Sciences and Department of Surgery, ³Department of Pediatrics, ⁴Dept of Radiology, University of California, San Francisco, CA, USA
- 15:10 TWO CASES OF TWIN REVERSE ARTERIAL PERFUSION: LASER ABLATION OF THE INTRA ABDOMINAL ACARDIAC TWIN VESSELS
Emanuel Vlastos, MD; Kim Martin, MD
Department of Obstetrics, Gynecology and Women's Health, St. Louis University, St. Louis, Missouri, USA
- 15:20 MICROWAVE ABLATION FOR TWIN-REVERSED ARTERIAL PERFUSION SEQUENCE: THE FIRST CASE REPORT
Lorene A. Temming¹, MD; David A. Iannitti², MD; Albert Franco³, MD; Courtney D. Stephenson³, DO
¹Department of Obstetrics, ²Division of HPB Surgery, ³The Charlotte Fetal Care Center, Carolinas Medical Center, Charlotte, NC, USA

15:40-16:20

Panel Discussion

Short Panel Discussion sIUGR and TAPS

Moderators: **S.Lipitz, Y.Yinon**

Discussants: **J. Deprest, G. Ryan, E. Gratacos and D.Oepkes**

16:20 *Coffee Break*



Monday, May 20, 2013 (cont.)

16:40 Screening, Genetics and Education A

Chairs: **M. Evans, K. Pringle**

- 16:40 *V-S Eligible*
ASSESSMENT OF COMBINED FIRST TRIMESTER SCREENING IN WOMEN OF ADVANCED MATERNAL AGE
Sarah Li, Dawn Chia, Leena Gole, Martin Helm, Arijit Biswas and Mahesh Choolani
Department of Obstetrics and Gynaecology, National University Hospital, Singapore
- 16:50 PROTEOMIC DERIVED BIOMARKERS FOR FIRST TRIMESTER SCREENING FOR PRETERM DELIVERY
M.I. Evans, R. Romero, K.H. Nicolaides, K.P. Rosenblatt
USA and UK
- 17:00 INCREASING MATERNAL WEIGHT IN THE AMERICAN POPULATION NOTED AT FIRST TRIMESTER SCREENING
M.I. Evans, D. Krantz, T. Hallahan
USA
- 17:10 ISRAEL PRENATAL COMPARATIVE MICROARRAY ANALYSIS EXPERIENCE
Zvi Appelman
Kaplan Medical Center, Rehovot, Israel
- 17:45 *Editorial Board meeting Fetal Diagnosis and Therapy Journal*
- 19:30 Dinner at the David Citadel Hotel 
- 22:15 Sound and Light at the Citadel

Tuesday, May 21, 2013

07:30 IFMSS Board Meeting

08:30-10:30

Twins B

Chairs: **J. Deprest, D. Oepkes**

08:30 *V-S Eligible*

FETOSCOPIC LASER COAGULATION OF THE ENTIRE VASCULAR EQUATOR FOR THE TREATMENT OF TWIN-TO-TWIN TRANSFUSION SYNDROME: THE "SOLOMON STUDY"

F. Slaghekke¹, E. Lopriore², R. Favre³, M. Lanna⁴, L. Lewi⁵, M. Kilby⁶, F.J. Klumper¹, R. Devlieger⁵, J.M. Middeldorp¹, J. Deprest⁵, D. Oepkes¹

¹Department of Obstetrics, Division of Fetal Medicine, ²Department of Pediatrics, Division of Neonatology, Leiden University Medical Center, The Netherlands, ³Department of Obstetrics, Division of Fetal Medicine, Centre Médico-Chirurgical et Obstétrical Strasbourg, France, ⁴Department of Obstetrics, Division of Fetal Medicine, V. Buzzi Hospital, Italy, ⁵Department of Obstetrics, Division of Fetal Medicine, University Hospitals Leuven, Katholieke Universiteit Leuven, Belgium, ⁶Department of Maternal and Fetal Medicine, University of Birmingham, England

*Got Travel Award

08:40 LASER TREATMENT FOR TWIN-TWIN TRANSFUSION SYNDROME BEFORE 17 WEEKS OF GESTATION

David Baud^{1,3*}, Peter Kuhn^{1,2}, Regine Lachat^{1,2}, Yvan Vial^{1,3}, Daniel Surbek^{1,2}, Luigi Raio^{1,2}

¹Swiss Fetal Laser Group, ²Departments of Obstetrics and Gynecology, University of Bern, Inselspital, ³University of Lausanne, Switzerland

08:50 PREOPERATIVE PREDICTION OF THE INDIVIDUALIZED RISK OF EARLY FETAL DEATH AFTER LASER THERAPY IN TWIN-TWIN TRANSFUSION SYNDROME (TTTS)

E. Eixarch¹, D.V. Valsky^{1,2}, J. Deprest³, A. Baschat⁴, L. Lewi³, J. Ortiz^{1,5}, J.M. Martínez-Crespo¹, E. Gratacós¹

¹Department of Maternal-Fetal Medicine, Institut Clinic de Ginecologia, Obstetricia i Neonatologia (ICGON), Hospital Clinic; Institut d'Investigacions Biomèdiques August Pi I Sunyer (IDIBAPS), University of Barcelona; and Centro de Investigación Biomédica en Red de Enfermedades Raras (CIBERER), Barcelona, Spain; ²Department of Obstetrics and Gynecology, Hadassah-Hebrew University Medical Centers, Mt.Scopus, Jerusalem, Israel; ³Department of Obstetrics and Gynecology, University Hospitals Leuven, Leuven, Belgium; ⁴Department of Obstetrics, Gynecology & Reproductive Sciences, University of Maryland School of Medicine, Baltimore, MD, USA; ⁵Frauenklinik und Poliklinik, Technische Universität München, Munich, Germany

Tuesday, May 21, 2013 (cont.)

08:30-10:30

Twins B (cont.)

09:00 *V-S Eligible*

FACTORS ASSOCIATED WITH PRETERM DELIVERY AFTER FETOSCOPIC LASER SURGERY FOR TWIN-TWIN TRANSFUSION SYNDROME

R. Papanna, I.K. Mann, D. Block-Abraham, I. Buhimschi, M. Bebbington, E. Garcia, N. Kahlek, C. Harman, A. Johnson, A. Baschat, K.J. Moise
Department of Obstetrics, Gynecology and Reproductive Medicine
Division of Maternal-Fetal Medicine, University of Texas School of Medicine at Houston, The Texas Fetal Center Children's Memorial Hermann Hospital, Houston, TX, USA

09:10 *V-S Eligible*

LASER THERAPY OUTCOMES FOR FETO-FETAL TRANSFUSION IN DICHORIONIC TRIPLETS COMPARED TO TWINS

Pedro S. Argoti¹, MD; Ramesha Papanna^{2,3}, MD, MPH; Michael W. Bebbington¹, MD; Nahla Kahlek⁴, MD; Ahmet Baschat⁵ MD; Anthony Johnson¹, DO; Kenneth J. Moise¹, MD

¹Department of Obstetrics, Gynecology and Reproductive Medicine Division of Maternal-Fetal Medicine, University of Texas School of Medicine at Houston, The Texas Fetal Center Children's Memorial Hermann Hospital, Houston, TX, ²Department of Obstetrics, Gynecology and Reproductive Sciences, Yale University School of Medicine, New Haven, CT, ³Department of Obstetrics and Gynecology, Baylor College of Medicine, Houston, TX, ⁴The Center for Fetal Diagnosis and Treatment, The Children's Hospital of Philadelphia, Philadelphia, PA, ⁵Center for Advanced Fetal Care, Department of Obstetrics, Gynecology, and Reproductive Sciences, University of Maryland School of Medicine, Baltimore, MD, USA

09:20 OUTCOME FOLLOWING LASER FOR TWIN-TWIN TRANSFUSION SYNDROME IN TRIPLETS COMPARED TO TWINS

David Baud^{1*}, Rory Windrim¹, Tim Van Mieghem¹, Johannes Keunen¹, Edmond N. Kelly², Greg Ryan¹

¹Fetal Medicine Unit, ²Neonatal Unit, Mount Sinai Hospital, University of Toronto, ON, Canada

09:30 PREDICTIVE VALUE OF CARDIOVASCULAR PARAMETERS IN EARLY STAGES TWIN-TO-TWIN TRANSFUSION SYNDROME

Elodie Gapp-Born¹, Nicolas Sananes¹, Monique Kohler¹, Fernando Guerra¹, Anne-Sophie Weingertner¹, Gabrielle Fritz¹, Brigitte Viville¹, Bruno Langer¹, Erik Sauleau², Israël Nisand¹, and Romain Favre¹

¹Department of Obstetrics and Gynecology, ²Department of Biostatistics, Strasbourg University Teaching Hospital, France

Tuesday, May 21, 2013 (cont.)

08:30-10:30

Twins B (cont.)

09:40 THE ROLE OF INTRA AMNIOTIC PRESSURE IN TREATMENT OF TTTS WITH AMNIOREDUCTION
Ariel J. Jaffa, Zoya Gordon, Osnat Eytan, Joseph Har-Toov
Ultrasound Unit in Obstetrics and Gynecology, Lis Maternity Hospital, Tel-Aviv Medical Center, Sackler Faculty of Medicine, Tel-Aviv University, Israel

09:50 *V-S Eligible*
AMNIOCHORION APOPTOSIS AND AUTOPHAGY: NOVEL INSIGHTS INTO THE MECHANISMS OF IATROGENIC PPROM AFTER FETOSCOPIC LASER SURGERY (FLS) FOR TWIN TWIN TRANSFUSION SYNDROME (TTTS)
Ramesha Papanna, Lovepreet K. Mann, Kenneth J. Moise Jr., Themis Kyriakides, Guomao Zhao, Pedro Argoti, Catalin S. Buhimschi, Irina A. Buhimschi
Departments of Obstetrics and Gynaecology and Pediatric Surgery
University of Texas, The Texas Fetal Center, Children's Memorial Hermann Hospital, Houston, TX, USA

10:00 *V-S Eligible*
CHORIOAMNION PLUG PLACEMENT WITH ABSORBABLE GELATIN SPONGE TO PREVENT IATROGENIC PRETERM PREMATURE RUPTURE OF MEMBRANES AFTER FETOSCOPIC LASER SURGERY FOR TWIN TWIN TRANSFUSION SYNDROME
Ramesha Papanna, Lovepreet K. Mann, Anthony Johnson, Karen Moise, Kenneth J. Moise Jr.
Departments of Obstetrics and Gynecology and Pediatric Surgery
University of Texas, The Texas Fetal Center, Children's Memorial Hermann Hospital, Houston, TX, USA

10:00 PROPOSAL FOR MULTICENTRE STUDY OF VENTRICULAR STRAIN MEASUREMENTS IN MONOCHORIONIC TWINS: IS EARLIER IDENTIFICATION OF TWIN-TWIN TRANSFUSION SYNDROME POSSIBLE?
Helena M. Gardiner, Michael W. Bebbington, Anthony Johnson, Kenneth J. Moise Jr.
Departments of Obstetrics and Gynaecology and Pediatric Surgery
University of Texas, The Texas Fetal Center, Children's Memorial Hermann Hospital, Houston, TX, USA

10:20 DE NOVO INITIATION OF A PROGRAM IN OPERATIVE FETOSCOPY FOR TREATMENT OF TWIN TO TWIN TRANSFUSION SYNDROME
Brad Feltis, David Lynch-Salamon, Shannon VanBrunt, Theresa Jetnick, Paula Wickham and William Block
Children's Hospital and Clinics of Minnesota, Minneapolis, MN, USA

10:30 *Coffee Break*



Tuesday, May 21, 2013 (cont.)

11:00-12:10

Advanced Technology

Chairs: **T. Chiba, F. Luks**

- 11:00 HIGH SENSITIVE CMOS CAMERA FOR "SURGERY IN THE DARK"
Toshio Chiba¹, Hiromasa Yamashita¹, Hisae Aoki², Tsuneo Fukuyo³,
Toshiyuki Mori⁴
¹Clinical Research Center, National Center for Child Health and
Development, ²Department of Surgery, National Hospital Organization
Murayama Medical Center, ³Shinko Optical Co. Ltd., ⁴Department of
Surgery, Kyorin University, Tokyo, Japan
- 11:10 MOTION-CORRECTED VOLUMETRIC RECONSTRUCTION OF FETAL CHEST
MRI
Judy A. Estroff
Children's Hospital and Harvard Medical School, Boston, MA, USA
- 11:20 VIRTUAL ANGIOGRAPHY OF THE FETAL BRAIN USING POST-MORTEM MRI
Eldad Katorza¹, MD, M.Med.Sc.; Yishay Salem², MD; David Shashar¹, MD;
Yinon Gilboa¹, MD; Reuven Achiron¹, MD; Chen Hoffmann², MD
Sheba Medical Center, Tel-Hashomer, Ramat Gan, Israel
- 11:30 "PHENOTIP" - A NOVEL WEB-BASED TOOL FOR IMPROVING PRENATAL
DIAGNOSTIC ACCURACY OF SYNDROMES
Shay Porat¹, David Baud², Tim Van Mieghem³
¹Department of Obstetrics and Gynecology, Hebrew University-Hadassah
Medical Center Mount Scopus, Jerusalem, Israel, ²Department of
Obstetrics and Gynecology, University Hospital Centre and University of
Lausanne, Switzerland, ³Department of Obstetrics and Gynecology, Mount
Sinai Hospital, Toronto, ON, Canada
- 11:40 DEVELOPMENT OF AN ARTIFICIAL PLACENTA FOR SUPPORT OF
EXTREMELY PREMATURE INFANTS: PAST, PRESENT, AND FUTURE
Ben Bryner¹, Brian Gray¹, Anne Kim¹, Alvaro Rojas¹, Ahmed El-Sabbagh¹,
Gabe Owens², Martin Bocks², Raja Rabah³, Renee Shellhaas², John Barks²,
Ronald Hirschl¹, Robert Bartlett¹, George Mychaliska¹
¹Department of Surgery, ²Department of Pediatrics, ³Department of
Pathology, University of Michigan, Ann Arbor, MI, USA
- 11:50 THE SMART DIAPHRAGM: A NOVEL DEVICE FOR THE PREDICTION OF
PRETERM BIRTH IN AT-RISK WOMEN
Larry Rand¹, MD; Mozziyar Etemadi², MS; Philip Chung², MS;
Marya Zlatnik¹, MD; Juan Gonzalez¹, MD; Shuvo Roy², PhD
¹Department of Obstetrics, Gynecology, and Reproductive Sciences,
²Department of Clinical Bioengineering; University of California,
San Francisco, CA, USA

Tuesday, May 21, 2013 (cont.)

11:00-12:10

Advanced Technology (cont.)

12:00 IN VITRO SEALING OF IATROGENIC FETAL MEMBRANE DEFECTS BY A COLLAGEN PLUG IMBUED WITH FIBRINOGEN AND PLASMA
A.C. Engels¹, M.F. Hoylaerts², M. Endo^{1,4,5}, S. Loyen², G. Verbist^{3,4},
S. Manodoro¹, P. Dekoninck^{1,3,4}, J. Richter^{1,3,4}, J.A. Deprest^{1,3,4*}
¹Centre for Surgical Technologies, ²Center for Molecular and Vascular Biology, Faculty of Medicine, Katholieke Universiteit Leuven, ³Department of Obstetrics and Gynaecology, Division Woman and Child, Fetal Medicine Unit, University Hospital Gasthuisberg, ⁴Department of Development and Regeneration, Faculty of Medicine, ⁵Department of Urology, University Hospitals, Katholieke Universiteit Leuven, Belgium

12:10 *Break*

12:30-13:30

Screening, Genetics and Education B

Chairs: **C. Jorgensen, R. Favre**

12:30 SWEDISH NATIONAL QUALITY REGISTER FOR FETAL INVASIVE PROCEDURES
Marius Kublickas, Magnus Westgren, Sverker Ek, Eleonor Tiblad,
Peter Lindgren
Center for Fetal Medicine, Karolinska University Hospital, Stockholm, Sweden

12:40 PROCEDURE-RELATED COMPLICATIONS AFTER GENETIC AMNIOCENTESIS AND CHORIONIC VILLUS SAMPLING
Martin Haeusler, Martina Kollmann, Joe Haas, Bence Csapo,
Philipp Klaritsch
Department of Obstetrics and Gynecology, Medical University of Graz, Austria

12:50 CORRELATIONS BETWEEN ISTHMUS, CERVICAL LENGTH AND MATERNAL CHARACTERISTICS, AT FIRST TRIMESTER OF PREGNANCY
Nicolas Sananès, Elodie Schuller, Monique Kohler, Fernando Guerra, Anne-Sophie Weingertner, Gabrielle Fritz, Brigitte Viville, Bruno Langer, Israël Nisand and Romain Favre
Department of Obstetrics and Gynecology, Strasbourg University Teaching Hospital, France

13:00 WHAT IS PREDICTIVE OF PRETERM DELIVERY IN THE FIRST TRIMESTER: ISTHMUS OR CERVICAL LENGTH?
Nicolas Sananès, Elodie Schuller, Monique Kohler, Fernando Guerra, Anne-Sophie Weingertner, Gabrielle Fritz, Brigitte Viville, Bruno Langer, Israël Nisand and Romain Favre
Department of Obstetrics and gynecology, Strasbourg University Teaching Hospital, France

Tuesday, May 21, 2013 (cont.)

12:30-13:30 Screening, Genetics and Education B (cont.)

- 13:10 THE UNIVERSITY OF CALIFORNIA FETAL CONSORTIUM (UCFC):
A COLLABORATIVE FOR MATERNAL, FETAL AND NEONATAL CARE
Jody Farrell¹, RN; Larry Rand¹, MD; David Schrimmer², MD; Manny Porto³,
MD; Daniel Kahn⁴, MD; Diana L. Farmer⁵, MD; Hanmin Lee¹, MD
Department of Obstetrics, Gynecology, and Reproductive Sciences and
Department of Surgery; University of California, San Francisco, CA, USA
- 13:20 DIFFICULT CONVERSATIONS IN PRENATAL CARE: A SIMULATION
FILM-BASED PEDAGOGICAL APPROACH
Linda Zaccagnini, RN, M.S.N.; Elaine C. Meyer, PhD, RN, Psychiatry;
Stephen Brown, MD, Radiology; Robert D. Truog, MD;
Departments of Psychiatry, and Anesthesia (Pediatrics) and the Advanced
Fetal Care Center, Boston Children's Hospital Boston, MA, USA

13:30 *Lunch Break*



14:50-16:00 Imaging and Fetal Malformations A

Chairs: **F. Bargy, V. Bunduki**

- 14:50 "FETOSCOPIC APPROACH TO AMNIOTIC BAND SYNDROM"
S. Christopher Derderian^{1,2}, Corey W. Iqbal^{1,2}, Ruth Goldstein^{1,3},
Hanmin Lee^{1,2}, Shinjiro Hirose^{1,2}
¹Fetal Treatment Center, ²Department of Surgery, ³Department of
Radiology, University of California, San Francisco, CA, USA
- 15:00 "CHARACTERISTICS AND OUTCOMES FOR PRENATALLY DIAGNOSED
AMNIOTIC BAND SYNDROME: A SINGLE INSTITUTION EXPERIENCE"
Corey W. Iqbal¹, MD; S. Christopher Derderian², MD; Hanmin Lee², MD;
Yvonne Cheng³, MD; Shinjiro Hirose², MD
¹Department of Surgery, Children's Mercy Hospital Fetal Health Center,
Kansas City, MO, ²Division of Pediatric Surgery, ³Division of Obstetrics,
Gynecology, and Reproductive Services, University of California San
Francisco, San Francisco, CA, USA
- 15:10 IS FETOSCOPIC RELEASE OF AMNIOTIC BANDS WARRANTED?
Nahla Khalek, Julie Moldenhauer, Juan Martinez-Poyer, Mark Johnson
Center for Fetal Diagnosis and Treatment at The Children's Hospital of
Philadelphia, Philadelphia, Pennsylvania, USA

Tuesday, May 21, 2013 (cont.)

14:50-16:00 Imaging and Fetal Malformations A (cont.)

- 15:20 THE IMPORTANCE OF A PRESSURE-LIMITED VALVE IN VESICO-AMNIOTIC SHUNTS. HOW MUCH IS TOO MUCH PRESSURE?
Kevin Pringle¹, Hiro Kitagawa², Yasuji Seki, Junki Koike³, Jane Zuccollo¹
¹Department of Obstetrics and Gynecology, School of Medicine & Health Sciences, University of Otago, Wellington, New Zealand, ²Department of Pediatric Surgery, ³Department of Pathology, St. Marianna University School of Medicine, Kawasaki, Japan
- 15:30 THE OBSTRUCTIVE UROPATHY MODEL IN THE FETAL LAMB. HOW MUCH STRESS DOES CREATING THE MODEL PRODUCE?
Kevin C. Pringle¹, Shutaro Manabe², Hiroaki Kitagawa², Yasuji Seki², Hideki Nagae², Takeshi Aoba², Masayuki Takagi³, Junki Koike³, Jane Zuccollo¹
¹Department of Obstetrics and Gynecology, School of Medicine & Health Sciences, University of Otago, Wellington, New Zealand, ²Department of Pediatric Surgery, ³Department of Pathology, St. Marianna University School of Medicine, Kawasaki, Japan
- 15:40 PRENATAL SONOGRAPHIC PREDICTORS OF SURGERY TREATED URETEROPELVIC JUNCTION OBSTRUCTION (UPJO): WHICH IS THE BEST PREDICTOR?
Hadar Mudrik-Zohar, Israel Meizner, Zvi Bar-Sever, David Ben-Meir, Livne Pinhas, Miriam Davidovits
- 15:50 MILD FETAL BILATERAL HYDRONEPHROSIS: PRENATAL ULTRASONOGRAPHIC FOLLOW UP IN A SELECTED POPULATION
G.P. Pereira, V. Bunduki, G.D. Crema, E.A. Hase, M. Zugaib
Brazil

16:00-16:40 Panel Discussion

Short Panel Discussion - Diagnosis and Treatment of Esophageal Atresia and Anal Atresia

Moderators: **R. Achiron, B. Weisz**

Discussants: **J. Estroff, I. Shapiro, T. Buchmiller, J.M. Laberge**

16:40 *Coffee Break*



Tuesday, May 21, 2013 (cont.)

17:00-18:00

Miscellaneous

Chairs: **W. Clewell, R. Zimmermann**

- 17:00 THE EFFECT OF FETAL ANESTHESIA ON NEURODEVELOPMENTAL OUTCOMES- THE NEED FOR FETAL ANESTHESIA DATABASE
Olutoyin A. Olutoye, MD, M.Sc.
Texas Children's Fetal Center, Texas Children's Hospital, Baylor College of Medicine, Houston, TX, USA
- 17:10 *V-S Eligible*
CRYOPRESERVED HUMAN AMNIOTIC MEMBRANE (HAM) TO PROMOTE HEALING OF IATROGENIC FETAL MEMBRANE DEFECT IN A SWINE MODEL
R. Papanna, L.K. Mann, S.C.G. Tseng, M. Swindle, R.J. Stewart, P. Argoti, E. Garcia, T. Kyriakides, A. Johnson, N. Tatevian, I.A. Buhimschi, K.J. Moise
- 17:20 FIRST TRIMESTER POSITIVE MATERNAL IGM AS A RISK FACTOR FOR VERTICAL CMV TRANSMISSION - PRENATAL DIAGNOSIS IN 499 PREGNANCIES SUSPECTED FOR NON-PRIMARY MATERNAL INFECTION
Shlomo Lipitz, Rakefet Yoeli, Micahl Tepperberg, Yoav Yinon, Eyal Schiff, Boaz Weisz and Baruch Feldman
Sheba Medical Center, Tel Hashomer, Ramat Gan, Israel
- 17:30 OD450 ROLE IN PRE-22 WEEK SURVEILLANCE OF NON KELL ALLOIMMUNISATION?
John Smoleniec
Feto-Maternal Medicine, University of New South Wales, Liverpool Hospital, Sydney, NSW, Australia
- 17:40 SUCCESSFUL USE OF ENOXAPARIN AND IGGIV FOR AUTOIMMUNE HEMOLYTIC ANEMIA ASSOCIATED WITH ANTIPHOSPHOLIPID SYNDROME.
Ricardo Barini, Isabela Nelly Machado
Fetal Medicine Program, Department of Obstetrics and Gynecology School of Medicine, Universidade Estadual de Campinas (UNICAMP), Campinas, SP, Brazil
- 17:50 VALUE OF MCA PEAK SYSTOLIC VELOCITY AND AMNIOCENTESIS IN ASSESSING FETAL ANEMIA PRIOR TO CORDOCENTESIS
Asha Rijshinghani, MD; Shannon Findlay, B.S; Diedre Fleener, RN, BSN; Matt Krasowski, MD
Division of Maternal Fetal Medicine, Department of OB/GYN, University of Iowa Hospitals and Clinics, IA, USA
- 18:00 **Free time**

Wednesday, May 22, 2013

Breakfast

Group Photo

Day Tour: Dead Sea, Masada (lunch included)

In the evening we will partake in a Bedouin Feast before returning to Jerusalem.

Don't forget to bring:

- Walking shoes
- Swimming shoes
- Swim suits and towels
- Sun hats and sun block

A light jacket for the evening is recommended

Thursday, May 23, 2013

08:30-10:30

CDH

Chairs: **J.M. Laberge, J. Estroff**

- 08:30 THE TOTAL TRIAL: UPDATE AFTER INTERIM ANALYSIS FOR SAFETY IN THE MODERATE GROUP
Jan Deprest
Leuven, Belgium
- 08:40 CLINICAL OUTCOMES OF EARLY REPAIR FOR CONGENITAL DIAHPRAGM HERNIA PATIENTS ON EXTRACORPOREAL MEMBRANE OXYGENATION (ECMO): AN INSTITUTIONAL EXPERIENCE
Sara C. Fallon¹, Darrell L. Cass¹, Oluyinka O. Olutoye¹, Irving J. Zamora¹, David A. Lazar¹, Emily Larimer¹, Stephen E. Welty², Alicia A. Moise², Ann B. Demny², and Timothy C. Lee¹
¹Texas Children's Fetal Center and the Michael E. DeBakey Department of Surgery, ²Texas Children's Hospital and the Division of Neonatology, Department of Pediatrics, Baylor College of Medicine, Houston, TX, USA
- 08:50 EARLY FETOSCOPIC TRACHEAL OCCLUSION FOR EXTREMELY SEVERE PULMONARY HYPOPLASIA IN HUMAN ISOLATED CONGENITAL DIAPHRAGMATIC HERNIA: PRELIMINARY RESULTS
Jose L. Peiro¹, MD; Rodrigo Ruano^{2,4}, MD, PhD; Marcos M. da Silva³, MD, PhD; Juliana A. Campos⁵, DDs, PhD; Elena Carreras¹, MD, PhD; Uenis Tannuri³, MD, PhD; Marcelo Zugaib², MD, PhD
¹Fetal Surgery Program, Hospital Universitari Vall d'Hebron, Barcelona, Spain, ²Obstetrics Department, ³Pediatric Surgery, Faculdade de Medicina, Universidade de São Paulo, Brazil, ⁴Texas Children's Hospital Fetal Center and Department of Obstetrics and Gynecology, Baylor College of Medicine, Houston, TX, USA, ⁵Social Department, Faculdade de Odontologia, Universidade Estadual Paulista, Araraquara, Brazil
- 09:00 FETAL LUNG VOLUME AND QUANTIFICATION OF LIVER HERNIATION BY MAGNETIC RESONANCE IMAGING IN ISOLATED CONGENITAL DIAPHRAGMATIC HERNIA
Rodrigo Ruano^{1,3,5}, MD, PhD; David A. Lazar^{1,2}, MD; Darrell L. Cass^{1,2}, MD; Irving J. Zamora^{1,2}, MD; Timothy C. Lee^{1,2}, MD; Christopher I. Cassady^{1,3}, MD; Amy Mehollin-Ray^{1,3}, MD; Stephen Welty^{1,4}, MD; Caraciolo Fernandes^{1,4}, MD; Sina Haeri^{1,5}, MD, MHSA; Michael E. Belfort^{1,5}, MD, PhD, Oluyinka O. Olutoye^{1,2}, MD, PhD
¹Texas Children's Fetal Center, ²Michael E. DeBakey Department of Surgery, ³Department of Radiology, ⁴Section of Neonatology - Department of Pediatrics, ⁵Department of Obstetrics and Gynecology, Baylor College of Medicine, Houston, TX, USA

Thursday, May 23, 2013 (cont.)

08:30-10:30

CDH (cont.)

- 09:10 ARE THE QUANTITATIVE LUNG INDEX AND THE OBSERVED/EXPECTED LUNG-TO-HEAD RATIO INDEPENDENT OF GESTATIONAL AGE?
Ben Van Calster¹, Fabio Peralta², Hilde Van de Cruys², Kypros Nicolaidis², Jan Depre¹
¹KU Leuven, Department of Development and Regeneration, Leuven, Belgium, ²Fetal Medicine Unit, King's College Hospital, London, UK
- 09:20 *V-S Eligible*
STOMACH POSITION IN LEFT-SIDED CONGENITAL DIAPHRAGMATIC HERNIA
Anne-Gael Cordier¹, Jacques C. Jani², Mieke M. Cannie^{3,4}, Jocelyne De Laveaucoupet⁵, Dorota Nowakowska⁶, Carlota Rodo⁷, Marie-Victoire Senat⁸ and Alexandra Benachi¹
¹Department of Obstetrics, Gynecology and Reproductive Medicine and Centre Maladies Rares: Hernie de Coupole Diaphragmatique, ⁵Department of Radiology, Hôpital Antoine Beclere, APHP, Université Paris Sud, Paris, France, ²Department of Obstetrics and Gynaecology, ³Department of Radiology, University Hospital Brugmann, ⁴Department of Radiology, UZ Brussel, Vrije Universiteit Brussel, Brussels, Belgium, ⁶Department of Fetal-Maternal Medicine and Gynecology, Medical University and the Research Institute Polish Mother's Memorial Hospital, Lodz, Poland, ⁷Maternal Fetal Medicine Unit, Department of Obstetrics, Hospital Universitari Vall d'Hebron, Universitat Autònoma de Barcelona, Spain, ⁸Department of Obstetrics and Gynecology, Hopital Kremlin Bicetre, APHP, Université Paris Sud, Paris, France
- 09:30 THE PRESENCE OF HERNIA SAC IN CONGENITAL DIAPHRAGMATIC HERNIA IS ASSOCIATED WITH BETTER FETAL LUNG GROWTH AND OUTCOMES
Irving J. Zamora¹, MD; Darrell L. Cass¹, MD; Timothy C. Lee¹, MD; Stephen Welty², MD; Christopher I. Cassady³, MD; Amy R. Mehollin-Ray³, MD³; Sara C. Fallon¹, MD; Rodrigo Ruano⁴, MD, PhD; Michael A. Belfort⁴, MD, PhD; Wei Zhang⁵, PhD; Oluyinka O. Olutoye¹, MD, PhD
¹Texas Children's Fetal Center and the Michael E. DeBakey Department of Surgery, ²Department of Pediatrics, Division of Neonatology, ³Department of Radiology, ⁴Department of Obstetrics and Gynecology, ⁵Texas Children's Hospital Surgical Outcomes Center, Baylor College of Medicine, Houston, TX, USA
- 09:40 ARE OUTCOMES WORSE FOR PRENATALLY DIAGNOSED RIGHT CONGENITAL DIAPHRAGMATIC HERNIA?
Judy A. Estroff^{1,2}, Donna Morash^{1,3}, Terry L. Buchmiller^{1,3}, Jay M. Wilson^{1,3}, Carol E. Barnewolt^{1,2}, Susan A. Connolly^{1,2}, Richard B. Parad^{4,5}
¹Advanced Fetal Care Center, ²Department of Radiology, ³Department of Pediatric Surgery, ⁴Department of Newborn Medicine, Boston Children's Hospital, ⁵Department of Newborn Medicine, Brigham and Women's Hospital, Boston, MA, USA

Thursday, May 23, 2013 (cont.)

08:30-10:30

CDH (cont.)

- 09:50 LEFT HEART STRUCTURES IN FETUSES WITH CONGENITAL DIAPHRAGMATIC HERNIA AND THE EFFECT OF FETAL ENDOSCOPIC TRACHEAL OCCLUSION
L.A. Rocha^{1,2}, F.A. Byrne², R.L. Keller^{3,5}, D. Miniati^{4,5}, M.M. Brook², N.H. Silverman², A.J. Moon-Grady^{2,5}
¹Department of Obstetrics, Division of Fetal Cardiology, University Federal of São Paulo (UNIFESP), São Paulo, Brazil, ²Department of Pediatrics, Division of Cardiology, ³Department of Pediatrics, Division of Neonatology, Benioff Children's Hospital, ⁴Department of Surgery, ⁵Fetal Treatment Center, University of California at San Francisco, CA, USA
- 10:00 COLLAGEN PLUG SEALING OF IATROGENIC FETAL MEMBRANE DEFECTS AFTER FETOSCOPIC SURGERY FOR CONGENITAL DIAPHRAGMATIC HERNIA
Alexander C. Engels¹, Ben Van Calster², Jute Richter^{1,2,3}, Philip DeKoninck^{1,2,3}, Liesbeth Lewi^{2,3}, Luc De Catte^{2,3}, Roland Devlieger^{2,3}, Jan A. Depre^{1,2,3*}
¹Centre for Surgical Technologies, ²Department of Development and Regeneration, KU Leuven, ³University Hospitals Leuven, Department of Obstetrics and Gynaecology, Leuven, Belgium
- 10:10 NEED FOR CENTRALIZED FETAL ASSESSMENT OF FETUSES WITH PRESUMED ISOLATED CONGENITAL DIAPHRAGMATIC HERNIA IN THE FRAMEWORK OF A MULTICENTER TRIAL
Elisa Done, Leonardo Gucciardo, Tim van Mieghem, Koen Devriendt, Roland Devlieger, Luc De Catte, Liesbeth Lewi, Karel Allegaert, Jan Depre
Department of Woman and Child, University Hospitals Leuven, Leuven, Belgium
- 10:20 ADDED VALUE OF WEBSITE BASED PARENT INFORMATION ABOUT INTRAUTERINE TREATMENT FOR SEVERE CONGENITAL DIAPHRAGMATIC HERNIA
Alexander C. Engels¹, Philip Dekoninck^{1,2,3}, Petra Stevens³, Tim Van Mieghem^{1,2,3}, Hannes van der Merwe⁴, Beverley Power⁵, Kypros H. Nicolaidis^{6,7}, Eduard Gratacos^{8,9}, Jan A. Depre^{1,2,3*}
¹Centre for Surgical Technologies, Faculty of Medicine, KU Leuven, ²Department of Obstetrics and Gynaecology, Division Woman and Child, Fetal Medicine Unit, University Hospitals, ³Department of Development and Regeneration, Research Unit Fetus Placenta and Neonate, Faculty of Medicine, KU Leuven, Leuven, Belgium, ⁴Department of Obstetrics and Gynaecology, Stellenbosch University and Tygerberg Hospital, Cape Town, South Africa, ⁵CDH-UK, The Denes, Norfolk, ⁶Harris Birthright Research Center, Kings College Hospital, London, ⁷Department of Fetal Medicine, University College Hospital London, UK, ⁸Department of Maternal-Fetal Medicine, ICGON, Hospital Clinic-IDIBAPS, University of Barcelona, ⁹Centre for Biomedical Research on Rare Diseases (CIBER-ER), Barcelona, Spain
- 10:30 *Coffee Break* 

Thursday, May 23, 2013 (cont.)

11:00-12:10		Imaging and Fetal Malformations B Oral Presentations
		Chairs: O. Olutoye, E. Isfer
11:00	CORONAL APPROACH FOR MEASURING BOTH FETAL LATERAL VENTRICLES: IS THERE AN ADVANTAGE OVER THE AXIAL VIEW? <u>Eldad Katorza</u> ^{1,3} , MD, M.Med.Sc; Nir Duvdevani ^{1,3} , MD; Jeffrey-Michael Jacobson ^{2,3} , MD; Yinon Gilboa ^{1,3} , MD; Chen Hoffmann ^{2,3} MD; Reuven Achiron ^{1,3} , MD ¹ Antenatal Diagnostic Unit, Department of Obstetrics and Gynecology, ² Department of Radiology, The Chaim Sheba Medical Center, Tel Hashomer, Ramat Gan, ³ Sackler School of Medicine, Tel Aviv University, Israel	
11:10	MECONIUM PERITONITIS <u>Greg Ryan</u> Fetal Medicine unit, Mount Sinai Medical Center, Toronto, ON, Canada	
11:20	CASE PRESENTATION: FETAL ANEMIA AS A CONSEQUENCE OF HEMORRHAGE INTO AN OVARIAN CYST <u>Yoav Yinon*</u> , Boaz Weisz, Shlomo Lipitz Department of Obstetrics and Gynecology, Sheba Medical Center, Tel-Hashomer, Ramat Gan and the Sackler School of Medicine, Tel-Aviv University, Israel	
11:30	ABDOMINAL WALL DEFECT: NCKUH EXPERIENCES <u>Edgar Sy</u> , Yao-Jong Yang, Chyi-Her Lin Department of Pediatrics, Department of Surgery, National Cheng Kung University Hospital, Taiwan, ROC	
11:40	A RETROSPECTIVE ANALYSIS OF GASTROSCHISIS MANAGEMENT VARIATIONS AND OUTCOMES: UNIVERSITY OF CALIFORNIA FETAL CONSORTIUM (UCFC) PILOT PROJECT <u>Anita J. Moon-Grady</u> ¹ , MD; Rachel Overcash ² , MD; David Schrimmer ² , MD; Jody Farrell ³ , RN; Diana L. Farmer ⁴ , MD; Dan Deguarte ⁵ , MD; Larry Rand ³ , MD on behalf of the University of California Fetal Consortium (UCfC) ¹ Department of Pediatrics, ² Department of Reproductive Medicine, ³ Department of Obstetrics, Gynecology, and Reproductive Sciences, Department of Surgery, University of California, San Francisco, ⁴ Department of Surgery, University of California Davis; Sacramento, ⁵ Department of Surgery, University of California Los Angeles, CA, USA	
11:50	PRIMARY FETAL ASCITES: ETIOLOGY AND OUTCOME: A SERIES OF 126 CASES <u>Jonathan Rosenblatt</u> , Fathia Guennas, Françoise Muller, Jean-François Oury Centre De Diagnostic Prénatal, Hôpital Robert Debré, Paris, France	

Thursday, May 23, 2013 (cont.)

13:30-14:40

Twins C (cont.)

- 13:50 CIRCULATING ANGIOGENIC FACTORS IN MONOCHORIONIC TWIN PREGNANCIES COMPLICATED BY TWIN TO TWIN TRANSFUSION SYNDROME AND SELECTIVE INTRA-UTERINE GROWTH RESTRICTION
Yoav Yinon*, Elad Ben Meir, Alexandra Berezowsky, Boaz Weisz, Eyal Schiff, Shali Mazaki-Tovi, Shlomo Lipitz
Department of Obstetrics and Gynecology, Sheba Medical Center, Tel-Hashomer, Ramat Gan, and the Sackler School of Medicine, Tel-Aviv University, Israel
- 14:00 DEVELOPMENTAL GENES TARGETED FOR EPIGENETIC VARIATION BETWEEN TWIN-TWIN TRANSFUSION SYNDROME CHILDREN
Carmen J. Marsit, Devin C. Koestler, Debra Watson-Smith, Charlotte M. Boney, James F. Padbury, Francois I. Luks
Department of Pharmacology and Toxicology and Section of Epidemiology and Biostatistics, Department of Community and Family Medicine, Geisel Medical School at Dartmouth, Hanover, NH, Program in Fetal Medicine, Alpert Medical School of Brown University, Providence, RI, USA
- 14:10 FETAL LOSS AND DEVELOPMENTAL FOLLOW-UP OF INFANTS WHO UNDERWENT LASER PHOTOCOAGULATION FOR THE TREATMENT OF TWIN-TO-TWIN TRANSFUSION SYNDROME
Nicolas Sananès, Stephanie Andres, Monique Kohler, Fernando Guerra, Anne-Sophie Weingertner, Gabrielle Fritz, Brigitte Viville, Bruno Langer, Israël Nisand, Romain Favre
Department of Obstetrics and Gynecology, Strasbourg University Teaching Hospital, France
- 14:20 NOVEL APPLICATION OF LAPAROSCOPIC ULTRASOUND FOR FETOSCOPIC LASER ABLATION IN TWIN-TWIN TRANSFUSION SYNDROME WITH ANTERIOR PALCENTA
Marcus Jarboe¹, Deborah Berman², Tiffany Wright¹, Shaun Kunisaki¹, Marcie Treadwell², George Mychaliska¹
¹Department of Surgery, ²Department of Obstetrics and Gynecology, Fetal Diagnosis and Treatment Center, University of Michigan, Ann Arbor MI, USA
- 14:30 CNS FINDINGS BY NEUROSONOGRAPHY AND MRI AFTER LASER TREATMENT OF TTTS
Boaz Weisz, Yoav Yinon, Chen Hoffmann, Shlomo Lipitz
Sheba Medical Center, Tel-Hashomer, Ramat Gan, Israel
- 14:40 *Business Meeting*
- 15:50 *Farewell Dinner in greater Tel Aviv-Jaffa area*

V-S Eligible: Eligible for the **Vandenbergh-Storz Awards**