

Monday, April 30, 2007**06.30-07.30 Editorial board meeting Fetal Diagnosis & Therapy (members only)****07.30-09.30 "Twins"****Moderated by J. Deprest & F. Vandenbussche**

1. A prospective randomized multicenter trial of amnioreduction versus selective fetoscopic laser photocoagulation for the treatment of severe twin-twin transfusion syndrome
F Lim
2. Fetoscopic separation of minimally conjoined twins
F Lim
3. * Antenatal transfusional brain injury after single intrauterine death in monochorionic pregnancy is reduced but not prevented by vascular occlusion
K O'Donoghue
4. * High rate of non-progression in stage I twin-twin transfusion syndrome
K O'Donoghue
5. * Amniotic fluid index and hypotension after induction of anesthesia for fetal surgery
KM Tran
6. Congenital limb ischemia in monochorionic twins with and without twin-to-twin transfusion syndrome
E Lopriore
7. Management of reverse / recumangement of reverse / ongoing / recurrence of twin to twin transfusion syndrome (TTTS) after treatment by selective laser ablation of anastomoses (SLAA): Is non-intervention another reasonable management option?
JS Smoleniec
8. The natural history of monochorionic twins & the role of prenatal ultrasound scan
L Lewi
9. Placental sharing, birth weight discordance and vascular anastomoses in monochorionic diamniotic twin placentas
L Lewi
10. Twin-twin transfusion syndrome (TTTS) in a dizygotic monochorionic diamniotic twin pregnancy.
RF Romain Favre
11. Monoamniotic twins discordant for major fetal anomaly: is expectant management still an option?
LL Simpson
12. Neither acute reduction in amniotic fluid volume or complex invasive procedures alter cervical length in complicated monochorionic twin pregnancies
N Engineer

09.30 Group picture**09.30-10.00 Coffee / tea break****10.00-12.00 "Twins" (continued)****Moderated by N. Fisk & K. Blakemore**

13. Multimodality and sequential therapy for twin-twin transfusion syndrome: a stage based approach to the use of amnioreduction, selective fetoscopic laser photocoagulation, and intrafetal radiofrequency ablation.
F Lim
14. Perinatal outcome of umbilical cord radiofrequency ablation for Twin Reversed Arterial Perfusion (TRAP) sequence
F Lim
15. RFA vs cord coagulation in complex monochorionic pregnancies
MW Bebbington
16. The CHOP cardiac score for TTTS: effect of treatment with laser ablation
MW Bebbington
17. Survival after laser surgery for TTTS: When are they out of the woods?
C. Muratore
18. Measurement of blood flow through a single placental arterio-venous anastomosis in a monochorionic twin pregnancy
FPHA Vandenbussche
19. * ICG fluorscopy for the visualization of the placental vascular network – a feasibility study
K Harada
20. Modeling acardiac twins
MJC van Gemert
21. Acardiac twin circulation
MJC van Gemert
22. Twin-twin transfusion syndrome without arteriovenous anastomoses
MJC van Gemert
23. * Composite-type optical fiberscope for laser surgery for twin-to-twin transfusion syndrome (TTTS)
H Yamashita

“Intra uterine transfusion”**Moderated by K. Moise & W. Holzgreve**

24. * Fetal blood volume is not related with severity of hemolytic anemia or with umbilical venous flow velocity in anemia.
SA Pasman
25. * Fluid loss during intrauterine transfusion
SA Pasman
26. Neurodevelopmental impact of in utero fetal exposure to fentanyl and isoflurane
R Brusseau

12.00-13.00 Lunch break**13.00-14.30 “Intra uterine transfusion” (continued)
Moderated by K. Moise & W. Holzgreve**

27. The use of intraperitoneal alfentanil and cisatracurarine for fetal analgesia and neuromuscular blockade during intrauterine procedures.
P Conner
28. The safety of intrauterine blood transfusion: evaluation of 1200 procedures.
IL van Kamp
29. Non- invasive prenatal diagnosis of fetal Kell group (KEL 1) from maternal plasma
W Holzgreve

“Abdomen”

Moderated by A. Johnson & D. Skupski

30. A case report of mirror syndrome: a novel approach to therapy with fetal peritoneal-amniotic shunt
F Lim
31. Antenatal biochemical expression of cystinuria
FM Muller
32. Clinical significance of non-visualized fetal gall-bladder
FM Muller
33. CAPSNET: A population-based pediatric surgical network and database for analyzing incidence, treatment and outcome of surgical birth defects: the first 90 cases of gastroschisis
JM Laberge
34. * CAPSNET: A population-based pediatric surgical network and database for analyzing incidence, treatment and outcomes of surgical birth defects: ultrasound predictors of outcome in antenatally diagnosed gastroschisis
TL Pressey
35. * Molecular markers of intestinal dysmotility in a rabbit model of gastroschisis
JT Stephenson

14.30-15.00 Tea break

15.00-16.30 “Abdomen” (continued)

Moderated by M. Harrison & L. Lewi

36. In utero coverage of bladder exstrophy with a collagen biomatrix in fetal sheep
PP van den Berg
37. Coverage of the eviscerated bowel in an experimental gastroschisis in fetal sheep with a collagen biomatrix
PP van den Berg
38. Fetal obstructive uropathy: is urine sampling useful for prenatal counselling?
V Bunduki
39. Posterior Urethral Valve (PUV). Outcome of 8 consecutive vesicoamniotic shunting.
RF Favre
40. “Posterior Urethral Valves”. A cautionary tale
K Pringle
41. Massive vesico-ureteric reflux in neonatal boys: is this a minimalist version of Prune-Belly syndrome?
K Pringle

42. Sacrococcygeal teratoma: prenatal surveillance, growth and pregnancy outcomes in 52 Cases
MP Johnson
43. * Miniature forceps manipulator for intrauterine fetal surgery: mechanical performance evaluation
H Yamashita
44. Yet another non predictor in the evaluation of fetuses with lower urinary tract obstruction: fetal serum β -2-microglobulin before and after bladder shunting
U Nicolini

Electronic patient database: an introduction to the sunset tour
FJ Klumper

Tuesday, May 1st**06.30-07.30 Board meeting IFMSS (members only)****07.30-09.30 “Lungs”
Moderated by K. Pringle & J. Laberge**

1. Approaching 100% survival in high risk CHD: implications for fetal interventions.
EY Yang
2. Fetal hydrops and hydrothorax due to pulmonary sequestration: no shunting needed with laser treatment
FJ Klumper
3. * Laser ablation of the abnormal vessel in a hydropic fetus with pulmonary sequestration
R Ruano
4. * Four-dimensional ultrasound guidance of fetal tracheal occlusion in congenital diaphragmatic hernia
R Ruano
5. * Predicting perinatal outcome using fetal pulmonary artery diameters in isolated congenital diaphragmatic hernia
R Ruano
6. * Predicting perinatal outcome using different fetal lung measurements in isolated congenital diaphragmatic hernia
R Ruano
7. Fetoscopic endoluminal tracheal occlusion - proposal for two clinical studies
J Deprest
8. Maternal hyperoxygenation test as a predictor of neonatal outcome in fetuses with congenital diaphragmatic hernia
J Deprest
9. Observed to expected lung area to head circumference ratio in the prediction of survival in fetuses with isolated diaphragmatic hernia
J Deprest
10. Giant fetal rhabdomyoma: The rare case requiring EXIT – ECMO
G Mychaliska
11. Main bronchus occlusion for treatment of congenital diaphragmatic hernia in fetal lambs
JM Biard
12. Maturation of lung surfactant is not delayed in human fetuses with congenital diaphragmatic hernia (CDH).
A Benachi
13. * Pulmonary artery muscularization is reduced by fetal glucocorticoids (FG) in lambs with diaphragmatic hernia (DH) following tracheal occlusion (TO).
MG Davey

09.30-10.00 Coffee / tea break**10.00-12.00 “Lungs” (continued)
Moderated by S. Papapoulos & G. Ryan**

14. Tissue engineering for diaphragmatic replacement with collagen matrices. Preliminary results.
A Eggink
15. Prenatal prediction of neonatal morbidity in congenital diaphragmatic hernia: a multicenter study.
J Deprest
16. Randomized trial comparing neonatal survival following expectant management versus amnioinfusion in PPRM <25 wks with oligohydramnios.
J Deprest
17. Three cases of 2nd trimester prenatal diagnosis of CHAOS due to laryngeal atresia: different natural histories, difficulties for prenatal counselling
L Otano

“Head and Spine”

Moderated by S. Papapoulos & G. Ryan

18. Intrauterine maxillary reconstruction of cleft-like defects in the mid-gestational sheep model by gingivoperiosteoplasty
NA Papadopoulos.
19. Isolated fetal cerebral ventriculomegaly: correlation of the atrium diameter with postnatal prognosis
V Bunduki
20. Lower extremity neuromotor function and ambulatory potential following fetal and neonatal MMC repair
MP Johnson
21. Management of Myelomeningocele Study (MOMS): Update
EY Yang

12.00-13.00 Lunch break

**13.00-14.30 “Progenitor Cells”
Moderated by D. Fauza & T. Bui**

22. A novel ex vivo model for development of closure techniques for ruptured fetal membranes
AS Mallik
23. A study to determine the effect of the ABO blood group on the ex-vivo expansion of umbilical cord CD34+ cells
JSF Santolaya
24. Development of primate embryonic stem cell-derived hematoendothelial progenitors for prenatal allogeneic transplantation.
A Shaaban
25. * Donor MHC class I expression regulates the fetal NK cell immune response in prenatal transplantation
E Durkin
26. European program on Soft Tissue Engineering for Children
PP van den Berg
27. * Microchimeric fetal cells contribute to maternal tissue repair after pregnancy
K O'Donoghue

28. Intrauterine transplantation of first-trimester fetal mesenchymal stem cells rescues osteogenesis imperfecta phenotype
N Fisk
29. Fetal stem cells for fetal transplantation
M Westgren
30. * Mechanisms for trans-endothelial migration of human fetal mesenchymal stem cells
J Chan
31. * Mid-gestation endothelial progenitor cells are found within the fetal liver and circulates in fetal blood in high frequencies
J Chan

14.30-15.00 Tea break

**15.00-17.00 “Progenitor Cells” (continued)
Moderated by M. Westgren & C. Jörgensen**

32. A comparison of cartilaginous constructs engineered from amniotic-, bone marrow-, and umbilical cord blood-derived mesenchymal progenitor cells
DO Fauza
33. The impact of cell source on the phenotype and ex vivo expansion kinetics of perinatal mesenchymal progenitor cells: implications for cell-based therapies
DO Fauza
34. Initial steps towards regulatory validation of clinical trials of mesenchymal amniocyte-based fetal tissue Engineering
DO Fauza
35. Fetal artery healing: differences in endothelial cell proliferation and chemokine expression may explain lack of inflammation and scarring
DL Cass

“Prenatal Diagnosis”

Moderated by M. Evans & P. van den Berg

36. Decreased prenatal detection of Down syndrome and increased incidence of Down syndrome births associated with application of 1st and second trimester screening and genetic sonogram for RISK REDUCTION in advanced maternal age patients.
GPH Henry
37. Fetal hydronephrosis; prevalence, natural history and postnatal consequences
S Ek
38. Fetal outcome following primary CMV infection
S Lipitz
39. Fetal CMV infection with negative maternal IgM; a case report
K Adam
40. Genetic Ultrasound: 99% detection rate for trisomies 13, 18 and 21
GRD DeVore

41. Is the prevalence of second trimester findings in Down Syndrome fetuses independent from the measurement of the nuchal translucency in the first trimester?
V Bunduki.
42. Live born Down Syndrome is increasing as invasive testing decreases.
N Ginsberg
43. Medical genetics in fetal medicine: a paradigm for level II centers
M Michelson
44. Negative predictive value of maternal serum markers for Down syndrome screening in patients ages 38 years and over
FM Muller
45. Non-invasive prenatal diagnosis of HbBarts Thalassaemia
M Choolani

Wednesday, May 2nd**07.30-08.30 Business meeting****08.30-09.30 "The internet and multicenter studies"
Moderated by U. Nicolini & F. Luks**

1. Eurofetus: an update
J Deprest
2. Interactive web portal for fetal therapy
M Harrison
3. Nafnet: an update
M Johnson
4. The SAFE Triobank: implementing non-invasive prenatal diagnosis
TH Bui

**"Prenatal Diagnosis"(continued)
Moderated by U. Nicolini & F. Luks**

5. Rapid aneuploidy detection methods and role of microarray-based comparative genomic hybridization in prenatal diagnosis
TH Bui
6. Persistent cloaca: a 10 year review of prenatal diagnosis
F Lim
7. Vitamin K embryopathy post-maternal gastric bypass: a case of fetal rhizomelic chondrodysplasia punctata
V Sachar

09.30-10.00 Coffee / tea break**10.00-12.30 "New Techniques, Ethics and more"
Moderated by C. Weiner & R. Zimmerman**

8. A randomized study to assess two different techniques of aspiration while performing transabdominal chorion villous sampling
U Nicolini
9. A model for depiction of comprehensive fetal cardiovascular evaluations
J Santolaya
10. Successful fetoscopic devascularization of chorioangioma by combined use of bipolar electrocautery and Diode laser
F Lim
11. A study comparing prevalence of depression and coping strategies among the deaf and fit children
J Nalugya
12. Ethical challenges in maternal-fetal surgery
OO Olutoye

13. Reflectance spectrometry for real-time hemoglobin determination of placental vessels during endoscopic laser surgery for TTTS
FI Luks
14. Teaching fetal medicine to the next generation of physicians
FI Luks
15. Three and four dimensional ultrasound - a novel imaging technique to evaluate fetal cardiac anomalies
R Achiron
16. Three-dimensional ultrasound navigation system for fetoplacental surgery
T Mochizuki
17. Proteomic prediction of pre term labor
M Evans
18. Maternal complications and fetal cardiac interventions: a view from the other side of the womb
V Silva
19. Fetal aortic valvuloplasty: 3 cases with technical success
L Otano
20. Open fetal surgery for fetal cardiac pacemaker placement for medically refractory complete heart block
F Lim