IFMSS
INTERNATIONAL FETAL MEDICINE AND
SURGERY SOCIETY

NAWORTH CASTLE
CARLISLE  CUMBRIA
UNITED KINGDOM

19TH - 23RD MAY 1999

SCIENTIFIC PROGRAMME
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Doppler velocimetry in prenatally diagnosed renal vein thrombosis

The effect of maternal anemia and malnutrition on intrauterine fetal growth, hormonal adaptations and future implications based on Barker Hypothesis.
Singh S, Mahajan S, Kochupilla N.

Fetal growth retardation is associated with a fetal atherogenic lipoprotein profile
Trudinger T, Wang J

Homocyst(e)ine levels in association with placental vascular disease
Trudinger T, Wang J

Cytokine production is present in association with umbilical placental vascular disease
Trudinger T, Wang J, Beutler L.
Adaptive responses to chronic fetal hypoxemia - brain and heart  eNOS and NOS

Weiner CP, Thompson LP, Aguan K.
Prenatal obstructive uropathy is associated with proteolytic imbalance


Prenatal MRI of fetal urinary tract with ultrasound and pathological correlation

Hubbard AM, Adzick NS, Howell LJ

Perinatal outcome and follow-up of 46 intrauterine shunts

Poblete A, Fogliani R, Nicolini U

A successful model for obstructive uropathy in the female fetal lamb and some interesting findings as to the pathogenesis of renal dysplasia

Pringle KC, Kitagawa H, Stone P, Zuccollo J, Nakada

Long term follow-up of antenatally-diagnosed hydronephrosis: 80% resolve, but some reappear at 6-9 years.

Pringle KC, Kitagawa H, Strand L, Sharp S, Kelly D, Gerrard C.
The pathogenesis of renal dysplasia in obstructive uropathy in a female fetal lamb


Fetal laparoscopic cystostomy.


In utero fetal therapy using pig tail shunts (1990-1998)

Gene therapy and transplantation  

Session 3

Thurs 20th May 1100 to / and 1200

Session Moderators Karin Blakemore and Timothy Crombelholme

In utero allo transplantation of retrovirally transduced fetal hepatocytes in a monkey model: technical approach and short term results
Bargy F, Andreoletti M.

An update on in utero bone marrow transplantation for congenital leukodystrophies
Blakemore K, Moser H, Leung W, Civin C, Ural S, Jones R.

In utero gene therapy: induction of microglial chimerism by in utero xenogenic transplantation of retrovirally transfected astrocytes
Crombelholme TM, Knight AK, Sena-Estaves M, Kaye E.

Allogenic in utero transplantation of CD34+ THY-1+ bone marrow derived hematopoietic stem cells (HSC) in a fetus with chronic granulomatous disease
Harrison H, Albanese C, Muench M, Farrell J, Lopoo J, Barcena A

The role of first trimester endoscopy versus ultrasound guided approaches for stem cell therapy in utero
Holzgreve W
Gene therapy and transplantation  Session 3
Thurs 20th May  1100 to / and 1200
Session Moderators Karin Blakemore and Timothy Crombelholme

Adenoviral gene transfer in utero in a murine model of factor VIII deficiency

Phenotypic, functional and cytokine profiles of fetal bone marrow stem cells: a comparative study
Michejda M, Manohar V, Sacher R, Tchabo JG, Mazumder A.

High efficiency retroviral transduction of human fetal liver cell CD34++ CD38- lineage cells
Ohkubo T, Smith C, Harrison M, Muench M.

Creation of murine Muscular Dystrophy mutants as models for gene therapy
Williamson R; Hrstka R; Duclos F; Coral-Vasquez R; Campbell K.
"Guess who's coming to surgery? A psychosocial profile of the women and families who present as candidates for elective fetal surgery.
Baumann S.

Ethical guidelines for open fetal surgery for treatment of non-lethal fetal malformations

Bliton MJ, Bruner JP

A comprehensive framework for the ethics of fetal and maternal research

Chervenak FA, McCullough LB

Treatment of iatrogenic rupture of membranes: preliminary experience.


Endoscopic assessment of spontaneous PROM.

Fibrin sealants: a potential treatment for early rupture of the membranes


Is mentorship in medicine an ethical issue?

Sciscione A, Stefano J.
Chiari-II malformation develops in surgically created myelomeningocele, and is prevented by repair of the myelomeningocele in fetal lambs.
Westerburg B, Albanese C, Harrison M, Farmer DL, Jennings R.

Choroid Plexus Cysts: the final word
Welch CR, Cuckle H, on behalf of the Northern Fetal Society

Neurologic function after intrauterine myelomeningocele repair
Tulipan N, Bruner JP.

Casting light on fetal myelomeningocele: functional and morphological analyses in mice foetuses
StiefeI D, Stauffer UG, Copp AJ, Meuli M

Intrauterine repair of myelomeningocele: antenatal predictors of shunt-dependent hydrocephalus
Bruner JP, Tulipan N, Boehm FH, Silva SR, Nickolaus D, Townsend N
Shunt therapy of fetal hydrocephalus through a hysterotomy
Bruner JP, Tulipan N, Boehm FH, Paschall R, Townsend N

Earlier vs. later gestational age for open fetal surgery for non-lethal malformations
Bliton M, Bruner JP.

What is the outcome of the arachnoid cysts diagnosed in utero?
Bannister C, Russell SA, Rimmer S.

Early experience with open fetal surgical myelomeningocele
Adzick NS, Sutton LN, Crombleholme TM, Flake AW, Johnson MP, Howell LJ
Serial aggressive platelet transfusion for alloimmune thrombocytopenia: platelet dynamics, complications and outcome
Duncan K, Overton T, Kyle P, Letsky E, Fisk NM.

Preimplantation diagnosis for Fanconi’s anaemia and HLA typing
Ginsberg N, Rechitsky S, Verlinsky Y

High sensitivity of fetal DNA in plasma compared to serum and nucleated fetal cells using unnested PCR in maternal blood
Houfflin-Debarge V, O’Donnell H, Overton T, Bennett PR, Fisk NM

Alloimmunization to paternal leukocytes as a treatment for hemolytic disease of the fetus/newborn in a rabbit model
Hudon L, Moise KJ, Rodkey LS

Normal haematopoiesis in early development
Pahal GS, Janiaux ER, Thrasher A, Kinnon C, Rodeck CH
How accurate is fetal weight assessment in gastroschisis?
Cockell A, Chawanpaiboon S, Paine M, Iskaros J, Chitty L, Rodeck CH.

Effect of gestational age in gastroschisis: benefit of term delivery
Luks Fl, Papadakis K, Carr SR, Breuer CK.

Gastroschisis, human and experimental data to explain the benefit of amnioinfusion procedures.
Luton D, de Lagausie P, Guibourdenche J, Burc L, Vuillard E, Boissinot Ch, Aigrain Y, Oury JF, Blot Ph.

Biochemical evaluation of fetal pain in gastroschisis cases.
Mahieu-Caputo D, Muller F, Nihoul-Fekete C, Jouvet P,
Dumez Y, Dommergues M

Gastroschisis and recreational drug abuse before conception and in early pregnancy
Morrison JJ, Chitty LS, Peebles D, Rodeck CH.
Histology of in utero corrected experimental intestinal atresia in sheep

Patricolo M, Noia G, Iacobelli BD, Catesini C, Romano D, Filippetti R, Rivosecchi M.
Chorionic villus sampling prior to multifetal pregnancy reduction—a single center's experience
Eddleman K, Stone K, Lynch L, Berkowitz R

Prenatal US screening for severe CHD: two-year results in 5490 low-risk pregnant women
Extermann P, Oberhansli B.

The significance of echogenic foci in the left ventricle of the fetal heart in a low-risk population
Jaffe R, Cherot E, Allen T.

Ultrasound biometry of the fetal coronary sinus throughout gestation
Stewart PA, Baschat AA, Weiner CP.
Thorax and neck

Friday 21st May

0900 - 1030 to / and 1100 - 1130

Session Moderators Mike Harrison and Greg Ryan

Techniques for operative fetoscopy
Albanese CT, Westerburg B, Harrison MR.

Ultrasound-guided percutaneous needle deflation of fetal intra-tracheal balloon occlusion
Bratu HF, Laberge JM, Kay S, Khalife S.

Prenatal diagnosis of congenital high airways obstruction syndrome (CHAOS)
Bui TH, Grunewald C, Frenckner B.

Cystic adenomatoid malformation volume ratio (CVR) as a predictor of outcome in CCAM
Crombleholme TM, Cleeman BG, Liechty KW, Howell LJ, Johnson MP, Flake AW, Adzick NS

Natural history of fetal cystic adenomatoid malformation of the lung: biologic behaviour in hydropic CCAMs
Crombleholme TM, Liechty KW, Cass D, Johnson MP, Flake AW, Howell LJ, Adzick NS
Fetal neck mass: Assessing the need for intrapartum airway management
Gagnon AL, Bebbington MW, Pugash D, Riding K

Fetal tracheal occlusion for severe CDH: A prospective randomized trial
Harrison MR, Albanese CT.

Minimally Invasive Treatment or Fetal CCAM
Jennings R, Chiba T, Albanese CT, Harrison MR.

The effects of tracheal occlusion, tracheal release and prenatal steroids on type II pneumocytes in fetal lambs
Kay S, Flageole H, Piedboeuf B, Bratu I, Khalife S, Laberge JM.

Lung growth response after tracheal occlusion is gestational age dependant
Liao S, De Paepe ME, Piasecki G, Luks FJ
Antenatal diagnosis of diaphragmatic hernia: more problems with patient selection
Pringle KC, Tuohy J, Richardson V, Elder D.

Fetal echocardiographic predictors of morbidity and mortality in congenital diaphragmatic hernia
Ryan G Sokol J Bohn D Lacro R Stephens D Rabinovitch M Hornberger LK

Segmentary Fetal Branch Pulmonary Artery blood Flow Velocimetry: In Utero Doppler Study
Sivan E, Rotestien Z, Lipitz S, Achirom R

Significance and outcome of fetuses presenting with a goiter. A series of ten cases
Volumenie JL, Guibourdenche J, Vuillard E, Boissinot Ch, Polak M, Sibony O, Oury JF, Blot Ph, Luton D.

Fetal pulmonary sequestration: A favorable congenital lung lesion
Westerburg B, Lopoo JB, Harrison MR, Albanese CT.
Initial growth response to tracheal obstruction in the fetal lamb is not associated with type II pneumocyte depletion

Wild YK, Papadakis K, De Paepe ME, Lesieur-Brooks AM, Piasecki G, Rubin LP, Jackson C, Luks F1
Percutaneous needle aspiration of fetal cystic sacrococcygeal teratomas

Kay S, Laberge JM, Khalife S, Flageole HF

Ultrasonographic prognostic factors and minimally invasive treatment of fetuses with sacrococcygeal teratoma

Westerburg B, Jennings RW, Albanese CT, Farmer DL, Harrison MR
Reversal of twin twin transfusion

Adam K

Twin-twin transfusion syndrome: the SELECT procedure

Albanese CT, Westerburg B, Harrison MR.

Fetoscopic cord coagulation in monoamniotic twins with TRAP sequence

Crombleholme TM, Johnson MP, Flake AW, Howell LJ, Adzick NS

Maternal hypoproteinemia and anemia in twin-to-twin transfusion syndrome at mid-pregnancy

De Lia JE, Kuhlmann RH, Emery MG.

Rates and effects of interfetal transfusion in monochorionic twins

Denbow M, Taylor M, Cox P, Fisk N
Collaborative multifetal pregnancy outcomes (MFPR): outcomes and fetal growth

Lethal acute hemodynamic changes during reduction amniocentesis for twin-twin transfusion syndrome
Harman CR, Weiner CP, Manning FA.

Selective termination using bipolar cautery: the Detroit experience

A comparative study of early versus late first trimester multifetal pregnancy reduction
Lipitz S, Achiron R, Seidman DS.

Pathophysiology of the twin to twin transfusion syndrome: does hyper aldosteronism induce hypertension in the recipient?
Mahieu-Caputo D, Gubler MC, Muller F, Delezoide AL, Jouvet P, Labordes K, Dumez Y, Dommergues M.
Session 11

Saturday 22st May
0900 - 1030 to / and 1100 - 1130

Session Moderators Mark Evans and Daniel Skupski

Selective photocoagulation of communicating vessels in TTTS.

Simultaneous amniotic fluid pressures in TTTS

Conjoined twins - the Manchester experience
Rimmer S, Russell SA, Dickson AP, Bianchi A.

Fetal maternal transfusion (FMT) associated with multifetal pregnancy reduction (MFPR)
Scherjon SA, van Roorden A, Erwich JJM, Kanhai HHH.

Intrauterine sling: An unusual manifestation of the stuck twin syndrome
Skupski DW, Al-Kouatly H.
Multiple pregnancy  
Saturday 22nd May  
0900 - 1030 to / and 1100 - 1130  
Session Moderators Mark Evans and Daniel Skupski

The effect of treatment of twin-twin transfusion syndrome on the diagnosis to delivery interval
Skupski DW, Gurushanthaiah K, Chasen S.

Risk factors for pregnancy loss following multifetal pregnancy reduction
Stone J, Keith Eddleman, Lynch L, Berkowitz R.

Mapping of the vascular equator in monochorionic twins - selective identification of AV anastomoses

Eurofoetus project: amniodrainage vs laser in TTTS. A randomised study
Ville Y, Gratacos E. For the Eurofoetus working group.

Cord ligation in monoamniotic twins
Young BK, Rogue H, Timor I, Paidas M, Rosen R.
The problem of late feticide
Appelman Z, Caspi B.

Umbilical artery reversed end-diastolic flow in the first trimester of pregnancy
Borrell A, Martinez JM, Fortuny A

Characterisation of first trimester stromal cells
Campagnoli C, Roberts I, Overton T, Duncan K, Bennett P, Fisk NM.

Fetal karyotyping by chorionic villus sampling after the first trimester
Carroll SGM, Davis T, Kyle PM, Soothill P.

Supplementation of ultrasound findings with magnetic imaging: Where it is useful?
Prospective case-controlled study of 100 placentas to evaluate the frequency of confined placental mosaicism (CPM).

Comparison between 3D ultrasound and fetoscopy in late first trimester
Faure R, Kohler D, Kohler A, Hunsinjer MC, Bouffet N, Nisand I

Routine prenatal diagnosis of aneuploidy by FISH studies in high risk pregnancies
Feldman B, Ebrahim SAD, Gyi K, Johnson A, Johnson MP, Evans M.

Transcervical chorionic villus sampling by biopsy forceps versus mid trimester amniocentesis: a randomised controlled trial project.
Fortuny A, Borrell A

Fetal anemia after parvovirus infection: Successful therapy by intracardiac transfusion
Gloning KP.
Communication of prenatally diagnosed balanced translocation results to offspring by mothers
Grant S, Patil S, Williams J

Fetal cells in maternal circulation - their role for non invasive prenatal diagnosis and their association with autoimmune diseases and preeclampsia.
Holzgreve W

Amniocentesis before 15th week of gestation. Is there an increased risk of feet deformities?
Jorgensen C, Nikkil A, Ringhj H

Intrahepatic vein blood sampling: safety comparison with FBS at the placental cord insertion
Nicolini U, Fisk N, Fogliani R, Poblete A, Tech TG, Denbow M

Clinical application of FISH in prenatal genetic diagnosis
Pergament E, Xien P, Fiddler M, Sawofa N.
Fetal eyebrow biopsy at 17 weeks for the diagnosis of trichothiodystrophy.

Quintero RA, Morales WJ, Enid Gilbert-Barness E, Claus J, Bornick PW, Allen M, Ackerman J, Johnson PK, Angel JL.

Multiple sonographic markers and the risk of Down syndrome

Yankowitz J, Yankowitz D, Feltovich H