



21st Annual International Foetal Medicine and Surgery Society
Le Manoir Richelieu, La Malbaie, Québec
September 1st – 4th, 2002



IFMSS Scientific Presentation Sessions

Sunday, September 1st, 2002	Malbaie B Conference Room
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17:00	Welcome and introductory remarks	Jean-Martin Laberge
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17:05 – 19:00	Session I	Moderator(s): Greg Ryan
Topic: Prenatal Diagnosis and Screening		Jean-Martin Laberge

Prenatal Management of Placental chorioangioma.

by: A. Rijhsinghani, R. Williamson, J. Yankowitz, S. Grant.

Nasal bone assessment as a screening tool for Trisomy 21.

by: P.H. Massoc, J.P. Bernard, Y. Ville.

Prenatal diagnosis of agenesis of the cloacal membrane: The prune perineum variant.

by: H.B. Robinson, J. Lavin, M. Michelson.

Does fetal MRI make a difference?

by: S. Kumar, T. Vanderheyden, F. Cowan, N.M. Fisk, M. Rutherford.

Terminal myelocoele demonstrated by fetal ultrasound and MRI: An in utero mimicker of closed myelomeningocele.

by: J.A. Estroff.

Pericardial hemangioma presenting as a thoracic mass *in Utero*.

by: P.S. Puligandla*, S. Kay, L. Morin, L. Jutras, C. Bernard, D. Shum-Tim, H. Flageole.

Vein of galen malformation is associated with pulmonary hypertensive disease in the perinatal period.

by: C. Tan-Dy, K.F. Young Tai, L. Hornberger, V. Shah, K. O'Brien, G. Ryan, S. Unger.

Utility of monitoring cardiovascular hemodynamics in the fetus with a volume loading anomaly.

by: J. Rychik, Z. tian, D. Donaghue, M. Cohen, L. Howell, T. Cromblehomme, A. Flake, M. Johnson, R.D. Wilson, N.S. Adzick.

Fetal therapy and the maternal “mirror” syndrome.

by: F. Alkazaleh, R. Windrim, E.N. Kelly, P.G.R. Seaward, G. Ryan.

Single umbilical artery: Risk of adverse outcomes.

by: E. Paré*, A. Sciscione, G.A. Macones.

Catecholamines transcriptionally suppress placental 11beta-hydroxysteroid dehydrogenase type 2 gene expression: a molecular mechanism for fetal programming.

by: L.P. Rubin, M.A. Taylor, S.W. Tsai, S. Sarkar.

The incidence of biochemical amniotic fluid leakage following genetic amniocentesis.

by: R. Devlieger*, I. Cadron, J Verhaeghe, W. Coopmans, J. Deprest.

Towards evidence-based best practices in neonatal surgical care: The Canadian Neonatal Network.

by: E.D. Skarsgard, G.K. Blair, S.K. Lee.

Post-natal management of prenatally diagnosed neuroblastoma.

by: J.M. Laberge, H. Flageole.

19:00 – 22:00

Welcome Reception/Bienvenue

Thé Room/Salon Murray

Monday, September 2nd, 2002

Malbaie B Conference Room

8:00 – 9:45 Session II

**Moderator(s): H  l  ne Flageole
Michael Harrison**

Topic: Chest

One hour of in vivo tracheal occlusion is sufficient for inducing cellular pulmonary response in the fetal mouse.

by: B. Piedboeuf, T. Seaborn, F. Maltais.

Upregulation of fas-ligand expression after tracheal occlusion in fetal rabbits.

by: M.E. De Paepe, Q. Mao, C.L. Jackson, F.I. Luks.

Systemic arteriovenous fistula causes remodeling and abnormal pulmonary vasoreactivity in fetal lamb.

by: J.M. Jouannic*, R. Roussin, A.A. Hislop, J. Martinovic, Y. Dumez, A. Tuan Dinh-Xuan.

Pulmonary structural maturation and remodeling after reversible fetal ovine tracheal occlusion in diaphragmatic hernia.

by: I. Bratu*, H. Flageole, J.M. Laberge, M.F. Chen, B. Piedboeuf.

Enhancement of short term fetal lung growth after tracheal occlusion through intrapulmonary hyperoncotic pressure.

by: R.W. Chang, A. Dzakovic, M. Sunday, J.M. Wilson, R.W. Jennings, D. Fauza.

Cyclical and static tracheal occlusion induce lung growth at the expense of type II pneumocytes in congenital diaphragmatic hernia.

COMBINE WITH

(Impact of prenatal cyclical tracheal occlusion on lung development in congenital diaphragmatic hernia).

by: S.M. Nelson*, C.A. Hajivassiliou, G. Haddock, A.D. Cameron, P. Dunkley, L. Robertson, A. Cuschieri, R.E. Olver, R. Hume.

Prenatal cyclical tracheal occlusion improves postnatal lung function in fetal lambs with congenital diaphragmatic hernia.

by: S.M. Nelson*, C.A. Hajivassiliou, A.D. Cameron, P. Dunkley, L. Robertson, A. Cuschieri, R.E. Olver, R. Hume, G. Haddock.

Percutaneous fetoscopic tracheal balloon occlusion in selected fetuses with CDH.

by: L. Lewi*, J. Deprest, E. Gratacos, L. Geerts, D. Van Schoubroeck, N. Flack, S. Patel, K. Allegaert, K. Nicolaidis.

* Consideration for Vandenberghe-Storz Young Investigator's Award.

Minimally-invasive intraluminal tracheal occlusion for the in utero treatment of congenital diaphragmatic hernia.

by: R. Quintero.

Postnatal management and outcome for congenital diaphragmatic hernia in 2002: A primer for the fetal Doctor.

by: J.C. Langer, N. Shimizu, D. Bohn.

Exit with trial of ventilation: Improved survival in congenital diaphragmatic hernia.

by: J. Russell, L. Wilkins-Haug, L. Bulich, L. Myers.

Bioprosthetic repair of CDH with small intestinal submucosa.

by: R. Sydorak*, K. Tsao, S. Hirose, A. Heerema, D.L. Farmer, M.R. Harrison, C.T. Albanese.

9:45 – 10:15	Break/Pause
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10:15 – 11:00	Session II (cont'd)
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Moderator:	Craig Albanese François Luks
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Intrauterine branch pulmonary artery diameters in fetal lung mass assessment: Evaluation of diaphragmatic hernia, cystic adenomatous malformations and other conditions associated with lung hypoplasia.

by: L.K. Hornberger, J. Sokol, G. Ryan, D. Bohn, J. Smallhorn, N. Shimizu.

Resolution of hydrops fetalis in congenital cystic adenomatoid malformation after prenatal steroid therapy.

by: K. Tsao*, S. Hawgood, K. Dhawan, S. Hirose, R. Sydorak, C.T. Albanese, D. L. Farmer,
M.R. Harrison, H. Lee.

Perinatally diagnosed asymptomatic CCAM: To resect or not to resect?

by: D. Aziz*, J.C. Langer, S. Tuuha, G. Ryan, S.H. Ein, P.C.W. Kim.

Prenatal diagnosis and management of congenital lobar emphysema.

by: D.L. Cass, O.O. Olutoye, K. Adam, B.G. Coleman, A.M. Hubbard, N.S. Adzick.

Treatment of severe fetal chylothorax associated with pronounced hydrops with intrapleural injection of OK-432.

by: C. Jorgensen, V. Brocks, J. Bang, F.S. Jorgensen, L. Ronsbro.

11:00 – 12:15 Session III
Topic: Stem Cells/Gene Therapy

Moderator(s): Alan Flake
Karin Blakemore

Biological characteristics of hematopoietic stem cells from various sources.
by: M. Michejda.

Characterization of mesenchymal stem cells in human second-trimester fetal bone marrow, liver, lung and spleen.
by: E. In't Anker*, W.A. Noort, S.A. Scherjon, C. Kleijburg-Van Der Keur, A.B. Kruisselbrink, W. Beekhuizen, H.H.H. Kanhai, W.E. Fibbe.

Repopulation of the spinal cord with neural stem cells in a model of fetal myelomeningocele.
by: D.O. Fauza*, A. Marciniak, R.W. Jennings, E.Y. Snyder.

Postnatal engraftment analyses following in utero bone marrow transplantation in a canine model
by: K. Blakemore, C. Hattenburg, S. South, K. Berg, G. Stetten, R. Driggers, C. Holcroft, S. Ural, C. Bird, R. Jones.

Long-term expression of Factor IX after in utero injection of adeno-associated viral vectors in hemophilia B mice.
by: T.C. Mackenzie*, D.E. Sabatino, C. Campagnoli, Y.L. Liu, K.A. High, A.W. Flake.

Human fetal trachea-SCID mouse Xenografts: Efficacy of pseudotyped-lentiviral mediated gene transfer.
by: F.Y. Lim*, G.P. Kobinger, D.J. Weiner, J.M. Wilson, T.M. Crombleholme.

Transduction of satellite cells after in utero intramuscular injection of mokola and ebola pseudotyped lentiviral vectors.
by: T.C. Mackenzie*, G.P. Kobinger, J.P. Louboutin, A. Radu, J.M. Wilson, A.W. Flake.

Widespread reported gene expression in fetal airways following percutaneous ultrasound-guided delivery of recombinant adenoviral vectors to the trachea of fetal sheep in utero.
by: A. David*, D. Peebles, L. Gregory, T. Cook, H. Knapton, M. Miah, M. Nivsarkar, M. Themis, T. Kiserud, C. Coutelle, C. Rodeck.

Outcome of preimplantation genetics.
by: N. Ginsberg.

12:15 – 13:30

Lunch/Bon appétit

Malbaie B

13:30 – 15:00 Session IV
Topic: Nervous system

Moderator(s): Mark Johnson
Joseph Bruner

Tethering of the spinal cord in mouse fetuses and neonates with Spina Bifida.
by: D. Stiefel*

In-Utero reflexes and prediction of ambulation in fetuses with Spina Bifidum.
by: B.M. Petrikosky, S. Paulakis, L. Sichinava.

Fetal myelomeningocele and the potential of in-utero repair: Follow-up of 58 fetuses.
by: L. Sbragia, C.E. Braidos Hojas, H. Zambelli, M. Lopes Miranda, M.O. Bianchi, R. Barini.

Fetal myelomeningocele repair: The Children's Hospital of Philadelphia Experience.
by: N.S. Adzick, M.J. Johnson, L.N. Sutton, L.J. Howell, T.M. Crombleholme, A.W. Flake,
R.D. Wilson.

10 Years of intrauterine Spina Bifida repair – What we know.
by: J. Bruner, Davis, L. Stone.

Trials and tribulations: Lessons from setting up the myelomeningocele trial.
by: M.R. Harrison, N.S. Adzick, J.P. Bruner, E.A. Thom, J.A. Farrell, L.J. Howell, L. Stone.

Postnatal leg function in children who underwent in utero Spina Bifida repair.
by: M.P. Johnson and others.

Neonatal periodic central apnea associated with increased risk for ventriculoperitoneal shunt following in utero Spina Bifida repair.
by: M.P. Johnson and others.

Reproductive follow-up after intrauterine surgery for Spina Bifida.
by: J. Bruner, David, L. Stone.

15:30 – 22:00

St-Lawrence River Cruise and Dinner (whale watching)

Tuesday, September 3rd, 2002

Malbaie B Conference Room

8:00 – 9:45 Session V

Moderator(s): Jacob Langer

Topic: Gastro-Intestinal / Genitourinary

Ruben Quintero

Fetal ascites: A serie of 78 cases.

by: R. Favre, F. Muller.

Abdominal wall defects; outcome of prenatal diagnosis: 5-year experience in a tertiary third world fetal medicine center.

by: M. Otilia Bianchi, L. Sbbragia Neto, R. Barini.

Evaluation of prenatal features, short- and long-term outcomes in prenatally diagnosed giant omphaloceles.

by: J.M. Biard and others.

Can antenatal factors predict the type of abdominal wall closure in cases of prenatally diagnosed gastroschisis?

COMBINE WITH

(Does the presence of a dilated fetal stomach indicate bowel obstruction in fetuses with gastroschisis?)

by: A. Aina-Mumuney*, K. Swenson, K. Blakemore, A. Fischer, C.A. Chisholm.

Should 37 weeks gestational age be considered "term" for fetuses with gastroschisis?

by: A. Lausman, J.C. Langer, M. Tai, D. Chitayat, P.G.R. Seaward, E.N. Kelly, G. Ryan.

Amnioexchange trial for gastroschisis.

by: J. Bruner, D. Luton, N. Chescheir.

Perinatal outcome of fetal ovarian cysts. A multicentric retrospective study.

by: F. Perrotin.

Serum and urine beta 2-microglobulin (b2-m) in fetuses with urinary tract anomalies: Correlations with fetal renal biopsies.

by: J. Guibourdenche, F. Menez, AL Delezoide, B. Guesnon, E. Vuillard, A. Elghoneimi,
J.F. Oury, D. Biou, D. Luton.

Bladder outlet obstruction diagnosed in a dichorionic twin: Fetal and neonatal management.

by: M. Plevyak, F.I. Luks, A.A. Caldamone, L.P. Rubin, L. Tackett, S.D. Craigo, S.R. Carr.

* Consideration for Vandenberghe-Storz Young Investigator's Award.

In utero treatment of obstructive ureterocele.
by: R. Quintero.

Precise definition of genitourinary anatomy in the cloacal malformation by fetal MRI.
by: C.E. Barnewolt.

Integrative approach to the prenatal diagnosis, parental counselling, postnatal characterization and surgical repair of patients with bladder exstrophy.
by: C.E. Barnewolt.

9:45 – 10:15	Break/Pause
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10:15 – 11:50	Session VI	Moderator(s):	N. Scott Adzick
Topic: Masses, Heart and other Fetal Surgery			Jack Rychik

Abnormal umbilical cord dopplers may predict impending demise in fetuses with sacrococcygeal teratoma.
by: O.O. Oluoye, M.P. Johnson, B.G. Coleman, T.M. Crombleholme, N.S. Adzick, A.W. Flake.

Ultrasound-guided treatment of sacrococcygeal teratoma.
by: R. Quintero.

SCT retrospective analysis.
by: R.D. Wilson and others.

The role of anesthesiologist at the operative field during the EXIT procedure.
by: L.B. Myers, L. Bulich, A. Mizrahi.

Ultrasonographic guidance for location of the trachea during the EXIT procedure for cervical teratoma.
by: L.B. Myers, L. Bulich, A. Mizrahi, C. Barnewolt, L. Nemes, H.B. Kim, R. Jennings.

Spectrum of intrapartum management strategies for giant fetal cervical teratoma.
by: S. Hirose*, R. Sydorak, K. Tsao, C. Cauldwell, K.D. Newman, M. Rosen, C. Albanese, H. Lee,
D. Farmer.

Fetoscopic laser release of extremity amniotic band syndrome for limb salvage.
by: S. Keswani, M.P. Johnson, A.W. Flake, R.D. Wilson, N.S. Adzick, T.M. Crombleholme.

* Consideration for Vandenberghe-Storz Young Investigator's Award.

Fetal endoscopic surgery: Lessons learned and trends reviewed.

by: S.F. Fowler*, R.M. Sydorak, C.R. Albanese, D.L. Farmer, M.R. Harrison, H. Lee

Spectrum of tricuspid regurgitation in the human fetus: Prevalence in pathological conditions and in the normal state.

by: J. Rychik, Z. Tian, D. Donaghue, M. Cohen, I. Zeltser.

Hypoplasia of the left ventricle of the fetal heart: Can prenatal assessment predict adequacy for a two-ventricle repair?

by: J. Rychik, Z. Tian, D. Donaghue, M. Cohen, S. Ewing, J.W. Gaynor, T.L. Spray.

Successful balloon aortic valvuloplasty in a mid gestation fetus.

by: W. Tworetzky*.

Methods of fetal resuscitation during fetoscopic cardiac valve balloon dilatation.

by: L. B. Myers, L. Bulich, A. Mizrahi.

11:50– 12:30 Session VII

Moderator(s): Frank A. Chervenak

Topic: Infection and Ethics

Prenatal diagnosis of congenital cmv infection: Outcomes of 82 infected fetuses.

by: C. Hubinont, M. Bodeus, G. Verellen, P. Bernard.

Accurate prediction of congenital cytomegalovirus infection based on fetal ultrasound and MRI.

by: C.E. Barnewolt.

Fetal research: Selection criteria based on abortion preference.

by: F.A. Chervenak, L.B. McCullough, D.W. Skupski, S.T. Chasen.

Ethics and therapeutic misconceptions in randomized clinical trials of maternal-fetal interventions.

by: M.J. Bliton.

12:30 – 14:00

Lunch/Bon appétit

Richelieu A

14:00– 15:30 Session VIII
Topic: From Multiplets to Twins

Moderator(s): Nicholas Fisk
Yves Ville

Non-invasive fetal ECG recording in multiple pregnancy.

by: M.J.O. Taylor, M.J. Smith, V.A. Cannon, A.R. Green, L. Wee, N.M. Fisk, H.M. Gardiner.

Multifetal reduction following IVF: Outcomes of triplets reduced to twins versus non-reduced triplets and twins.

by: J. Yankowitz, D. Lindner.

Histomorphometric characterisation of shared and non-shared villus territories in monochorionic(MC) twin placentae.

by: L.Y Wee*, N.J. Sebire, M.J.O. Taylor, J. Bhandia, N.M. Fisk.

Identification of vascular anastomoses in monochorionic placenta by vascular casts.

by: L.Y. Wee*, K. Parker, V. Franke, N. Wales, M.J.O. Taylor, N.M. Fisk.

Renal tubular apoptosis in twin-to-twin transfusion syndrome.

by: M.E. De Paepe, E. Stopa, C. Huang, K. Hansen, K. Plevyak, S.R. Carr, F.I Luks.

Fetal midcerebral artery peak velocity as a predictor of anemia.

by: Y. Ville.

When even the best is not good enough: Staging system and prognosis in twin-to-twin transfusion syndrome.

by: F.I. Luks, S.R. Carr, M. Plevyak, S.D. Craigo, S. Athanassiou, S.J. Ralston, T.F. Tracy Jr.

Antenatal factors at diagnosis that predict survival in twin-twin transfusion syndrome.

by: N. Lagüe, J.C. Fouron, L. Leduc*, F. Proulx. RT.

The role of doppler studies in predicting intrauterine fetal demise after laser therapy for twin-twin transfusion syndrome.

by: J. Martinez*.

Twin-twin transfusion syndrome: The influence of intrauterine laser photocoagulation on arterial distensibility in childhood.

by: M.J.O. Taylor, A. Karatza, A. Huber, S.E. Greenwald, N.M. Fisk, K. Hecher, H.M. Gardiner.

Perinatal outcome with a non-laser strategy of serial amnioreduction +/- cord occlusion for twin-twin transfusion syndrome.

by: R.C. Wimalasundera*, M.O. Taylor, L. Wee, S. Kumar, N.M. Fisk.

Outcome and acute changes of the cardiovascular manifestations in the recipient twin after laser therapy for severe twin-to-twin transfusion syndrome (TTTS).

by: F. Alkazaleh, C. Barrea, L. Hornberger, A. Roberts, G. Seaward, R. Greg.

15:30 – 16:00

Break/Pause

16:00– 17:30 Session VIII (cont'd)

**Moderator(s): Tim Crombleholme
Kenneth Moise**

Management of severe TTTS: a unicenter experience of 47 cases.

by: C. Hubinont, I. Lopez De La Osa, P. Laurent, J.M. Biard, P. Bernard.

About 50 cord coagulations: Technical aspects and long term outcome.

by: L. Lewi*, E. Gratacos, D. Van Schoubroeck, E. Carreras, R. Devlieger, J. Deprest.

Quasi-randomized clinical trial for Stage III and Stage IV twin-twin transfusion syndrome.

by: R. Quintero.

A randomized trial of septostomy versus amnioreduction in the treatment of twin oligohydramnios/polyhydramnios sequence.

by: K.J. Moise, G.R. Saade, K.F. Dorman, J.E. Dickinson, R.D. Wilson, A. Gagnon, M.A. Belfort, R.O. O'shaughnessy, U. Chitara, S.S. Hassan, A. Johnson, A. Sciscione, S.W. Skupski.

Amniodrainage vs laser coagulation: Update on the Eurofetus trial.

by: Y. Ville.

Update on the NIH-Sponsored randomized clinical trial of selective fetoscopic laser vs serial amnioreduction for the treatment of severe twin-twin transfusion syndrome.

by: T.M. Crombleholme, M.A., D'Alton, C.T. Albanese (TTT Trial Study group).

A novel instrument for single port laser coagulation for TTTS in case of an anterior placenta.
by: J. Deprest, G. Barki, K. Hecher, Y. Ville.

Minimally invasive selective cord occlusion in complicated monochorionic pregnancies.
by: G. Ryan*, F. Alkazaleh, D. Oepkes, P. Pandya, f. Vandebusch, L. Hornberger, R. Windrim,
E.N. Kelly, P.G.R. Seaward.

Fetal Echocardiography in the assessment and management of acardia twin pregnancies.
by: L.K. Hornberger, G. Ryan, R. Khan, R. Windrim, P.G. Seaward, E.N. Kelly.

Selective reduction of acardiac twin by radiofrequency ablation.
by: K. Tsao*, V.A. Feldstein, C.T. Albanese, P.L. Sandberge, H. Lee, M.R. Harrison,
D.L. Farmer.

Heterokaryotypic monochorionic twins – outcome following selective fetocide.
by: L. Lewi*, D. Van Schoubroeck, J.P. Fryns, I Witters, J. Deprest.

Perinatal outcome in monoamniotic twin pregnancies managed with transplacental prophylactic sulindac.
by: A. Fichera*, R.C. Wimalasundera, L. Pasquini, M.J.O. Taylor, L. Wee, S. Kumar, N.M. Fisk.

18:30	Cocktail	Foyer du Richelieu
19:30	Banquet with entertainment and folkloric dances	Richelieu A

Wednesday, September 4th, 2002

Malbaie B Conference Room

8:00– 10:15 Session IX
Topic: Models and Technology

Moderator(s): Jan Deprest
Dario Fauza

Characterization of a placental explant culture model using a rotating cell culture system (RCCS).
by: J.I. Andrews, S.K. Hunter, M.J. Keller, J.A. Benda, J.L. Meier.

Placental cytotrophoblasts cultured in simulated microgravity: Formation of 3-dimensional tissue-like aggregates.
by: S.K. Hunter, M.E. Andracki, L. Gruman, J. Benda, A. Dokras.

Microencapsulation of proteins, somatic or genetically engineered cells: New engineering technologies with fetal therapy potential.
by: S.K. Hunter.

Tissue engineering and its potential impact on fetal therapy.
by: S.K. Hunter.

Fetal tissue engineering: Promyogenic differentiation of mesenchymal amniocytes in vitro.
by: A. Kaviani*, J.T. Oh, R.W. Jennings, D. Fauza.

Fetal tissue engineering: Downregulation of immune-associated antigens in mesenchymal amniocyte culture.
by: A. Kaviani*, A. Young, J. Fuchs, J.T. Oh, R.W. Jennings, D. Fauza.

In vitro fetal gut culture.
by: W. Chen*, J.R. Zhang, M. Kushida, C.C. Hui, P.C.W. Kim.

Myometrial blockade with botulinus toxin as a potential method of premature labor prevention after fetal surgery.
by: C.D. Downard, J.J. Garza, N. Clayton, T.J. Maher, R.W. Jennings, D.O. Fauza.

In vivo evaluation of an amniotic fluid exchange and irrigation system for fetoscopic intervention.
by: C.A. Hajivassiliou, S.M. Nelson, G. Haddock, A.D. Cameron, T.G. Frank, P. Dunkley,
A. Cuschieri.

Study of fetal pain: Development of an experimental model.

by: V. Houfflin Debarge, S. Bresson, S. Jaillard, F. Elbaz, Y. Riou, L. Storme, F. Puech.

Tissue ablation using high intensity focused ultrasound: Potential for fetal treatment.

by: B. Paek*, S. Vaezy, V. Fujimoto, M. Bailey, C.T. Albanese, D.L. Farmer, M.R. Harrison.

Influence of platelets on amniotic cell repair mechanisms.

by: L. Lewi*, M. Hoylaerts, L. Verbist, J. Vermeylen, J. Deprest.

The addition of antibiotics to fibrin tissue sealants. A preliminary report.

by: A. Sciscione, J. Manely, M. Rode, W. Mulla, P. Shlossman, G. Colmorgen.

Cervical plugging with gelatin sponge: A treatment for previable PROM?

by: J.M. O'Brien.

Collagen plugging of fetoscopy access sites – a controlled trial in non human primates.

by: J. Deprest, R. Devlieger, W. Feitz, L. Lewi, P. Van den berg.

Chorionic membrane separation following open fetal surgery: Pregnancy outcome.

by: R.D. Wilson.

10:15 – 10:45

Break/Pause

10:45– 12:00 Session X

Topic: Hematological Disorders

**Moderator(s): Humphrey Kanhai
Dick Oepkes**

Maternal history and perinatal outcome in rhesus immunized pregnancies.

by: R. Barini, C. Moreau Santos, H. Milanez, R.Z. Simoni, J.L. Pinto e Silva, I.N. Machado.

Technique for minimizing red cell contamination while isolating mononuclear cells from whole blood.

by: G.K. Lam*, L. Subramanyam, S. Orton, R. Farb, K.J. Moise Jr.

Diagnostic amniocentesis or noninvasive doppler (diamond): Minimally invasive management of Rh alloimmunization.

by: D. Oepkes, G. Seaward, R. Windrim, J. Kingdom, F. Vandenbussche, G. Ryan, A. Ohlsson,
H.H.H. Kanhai.

Fetal hematology in severe Rh-D and Kell immunization.
by: F. Klumper, F. Vandenbussche, H.H.H. Kanhai.

A protocol to further decrease invasive procedures in NAITP.
by: H.H.H. Kanhai.

Fetal platelet count (PLTC) in alloimmune thrombocytopenia after treatment with immunoglobulins.
by: H.H.H. Kanhai, Radder, R.H. Meerman, Brand.

Loss of fetal plasma volume during intrauterine red cell transfusion (IUT) in hydropic and nonhydropic fetuses.
by: S. Pasman, F.P.H.A. Vandenbussche, R.H. Meerman, J. Egberts.

Complications of intrauterine blood transfusion for red cell alloimmunisation: Related to the procedure of the underlying disease?
by: I.L. Van Kamp, F.J. Klumper, D. Oepkes, R.H. Meerman, F.P.H.A. Vandenbussche,
H.H.H. Kanhai.

12:00 – 13:00	Business Meeting with Lunch Box	Malbaie A
13:00	IFMSS 2002 adjourns Closing remarks	Jean-Martin Laberge