

Workshop on Emerging Genetic Techniques in Prenatal Diagnosis

17th Feb 2006

**Sir Ganga Ram Hospital
New Delhi**

Organizers: Dr. I.C. Verma, Dr. Abha Majumdar, Dr. Madhulika Kabra
Dr. Renu Saxena, Dr. Meena Lall, Dr. Manju Ghosh
Dr. Ashok Bajjal, Dr. N. Dhimri,
Jt. Secretaries: Drs. Ratna Puri, Sunita Bijarnia, Seema Thakur

08:30 - 09:30 **Interpreting triple and 1st trimester tests**
– Kevin Spencer (*UK*)

09:30 - 10:30 **Trends in Fetal Medicine in USA**
– Shalini Singh (*USA*)

10:30 – 10:50 Coffee Break

10:50 – 11:50 **Trends in Fetal Medicine in Europe**
- The-Hung Bui (*Sweden*)

11:50 – 12:20 **QF – PCR in over 25,000 cases**
Dr Vincenzo Cirigliano (*Spain*)

12:20 – 13:00 Inaugural Function

13:00 – 13:45 Lunch

13:45 - 14:45 **FISH in Prenatal Diagnosis**
–Sue Zhong (*China*)

14:45 - 15:45 **Non-invasive Prenatal Diagnosis**
– Dr Sinuhe Hahn and Dr. Anurag Gupta, (*Switzerland*)

15:45 - 16:15 Tea Break

16:15 - 17:30 **Preimplantation Genetic diagnosis**
- Dr. Francesco Fiorentino and Dr. Vincenzo Trengia (*Italy*)

EXECUTIVE BODY MEETING

GBM

18th February		
Stein Auditorium	The Theatre	Gulmohar Hall
8:30-10:00 AM Symposium 1 - Periconceptional Care Chairpersons: Neera Agarwal, Jyoti Bindal 1. Pre pregnancy assessment and intervention - M N Parikh 2. Birth defects, CNS and IQ : Role of Folic acid and hypothyroxinemia – Ashok Kumar 3. First trimester Ultrasonography for congenital malformations - Suneeta Mittal 4. Counseling and prenatal diagnosis for Mental Handicap - Madhulika Kabra	8:30-10:00AM Symposium 2 - Fetal Infections - Diagnosis and Therapy Chairpersons - S.S. Trivedi, Ranjana Sharma 1. Guidelines for TORCHES Test and its interpretation - Sarman Singh 2. Treatment of Herpes, Toxoplasmosis and outcome - Alka Kriplani 3. Rubella - time to start a National prevention programme - Anju Huria 4. Perinatal Hepatitis Infection and its prevention - Vatsla Dadhwal	8:30-10:00 AM Symposium 3 – Fetal cardiac problems . Chairpersons- Deepak Chawla, 1. Is routine fetal echo worth it? - Rajesh Uppal 2. Fetal cardiac screening by color flow mapping - Anita Zutsi 3. Fetal arrhythmias – Anita Saxena Management and Counseling for Fetal Cardiac disease –Vikas Kohli
10:00 – 10:30AM Conference Oration : Preventing Cerebral Palsy through Fetal Care- FRANK MANNING Chair : Veena Kalra, Sharad Gogate		
10:30 – 10:50 AM Tea		
11:00-11:30 AM Plenary 1 - Recent Advances in Prenatal Diagnosis Chair : R.P. Soonawala, Hema Purandarey 1. Fasten the seat belts: Prenatal Diagnosis takes off - I.C.Verma 2. Fetal cells and nucleic acids in maternal circulation: finally useful - W. Holzgreve 3. Preimplantation Genetic Diagnosis: a realistic approach for assisted reproduction - V. Trengia		
12:20 – 1:30 PM INAUGURATION		
Inaugural Lecture – Fetal Medicine: a Multispeciality approach- SHARAD GOGATE		
1:30 – 2:15 PM LUNCH		
2.15-3.15PM Panel Discussion: Hot topics in Imaging Moderator : Narendra Malhotra Panelists : Christoph Lees ,Vivek Rege, Ashish Bhattacharya, Kallol K Roy, Kushagradhi Ghosh, Shailesh Kore, Amar Bhide 3.15-3.30PM Demonstration: Fetal Shunts Amar Bhide 3:30 – 3:45 PM Keynote address – RK Srivastava -Policy Decisions	2.15-3.30 PM Symposium 4 - Perplexing Maternal Fetal Issues. Chair: Kamal Patil , Nirmala Mokadam 1. Biochemical Screening In Pregnancy- Maternal – Fetal implications - S Gogate 2. Cord blood collection for stem cell Transplant - Neena Malhotra 3. Recurrent Fetal Loss Genetic factors, counseling – Neerja Gupta. 4. RPLoss : Maternal management Ratna Rao 3:30 –4.45 PM Symposium 5 - Multiple pregnancy and Fetal Medicine.	2.15-3.30 PM Panel discussion : Teratogens and Prenatal Management Moderator : Gita Ganguli Panelists: Dilip Renapurkar, Sudha Salhan, Krishna Sangwan, Radha Rama Devi , Mamta Sanghamita Suman Vohra, Kamal Kishore 3:30 – 4:45 PM Clinical Grand Round - Fetus as a Patient.Chairpersons: Kamal Gujral, Sam Hu Dhar

3.45 – 4.45PM: Panel discussion :- Policy Decisions & Ethical Issues (Moderator) - Kamini Rao	Chair - The Hung Bui, Indrani Ganguli 1. Hydrostatic and osmotic pressure gradients produce manifestations of fetofetal transfusion syndrome in a computerised model of monochorial twin pregnancy.- Rekha Bajoria 2. PND in twins and selective termination, Fetal reduction in higher order Multiples - Amar Bhide 3. Ultrasound in multiple pregnancy and for specific anomalies – Ratna Talukdar 4. Prevalence and significance of cranial scan abnormalities in preterm twins in relation to chorionicity and discordant birth weight - Rekha Bajoria	1. Maternal-Fetal Medicine in Primary and Rural health Care- Milind Shah 2. 4D US in PND - Shalini Singh 3. MRI in PND- Sona Pungavkar 4. Fetal Therapy- Medical Aspects.- Ratna Dua Puri
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4:45 – 5:00 PM Tea

General Body Meeting	FREE PAPER (GEN) Chairpersons-Radha Rama Devi ,Balraj Mittal	FREE PAPER(U/S) Chairpersons-Sharad Gogate Puneet Bedi ,Renu Caprihan
POSTER PRESENTATION	POSTER PRESENTATION	POSTER PRESENTATION

7: 30 pm onwards

Rajsthani Theme Banquet ,Margosa Lawns , IHC

19th February

Stein Auditorium	The Theatre	Gulmohar Hall
FREE PAPER(OBST)- Chairpersons-Sunesh , Hema Diwakar , Achala Batra	FREE PAPER (GENETIC)	FREE PAPER (USG)
Posters (OBST/ NEO) — Judges – Mukundan Menon, Seema Kapoor, Sujatha Jagadeesh	Posters (GEN) - Judges : Nitin Chaubal, Anita Zutshi, Suman Vohra	Posters (U/S) - Judges – Adi Dastur, MN Parikh, Milind Shah

09:00.-10:30 AM Plenary 2. Prenatal Screening and diagnosis: Current trends **Chairpersons - Kamal Buckshee, IC Verma**

1. 1st & 2nd trimester Biochemical Screening - **Kevin Spencer**
2. 3 and 4 D U/S & Genetic Syndromes: Beyond the fetal portrait – **Ashok Khurana**
3. Invasive prenatal diagnosis: what's new? **S. Suresh**

10.30 –11:00 AM ISPAT VISION Lecture - Chairpersons : BK Thelma, Kiran Kucheria Postgenomic era - A revolution in prenatal diagnosis - Amit Chakravarty	10.30 –11AM Dr. SNEH BHARGAVA Lecture - Chair persons: Sneh Bhargava, S.K. Bhandari Role of Doppler Studies in Fetal Medicine - Adi Dastur	
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11:00 – 11:15 AM Tea		
11:15-12.45PM Symposium 6- Fetal Therapy Chair: Indu Gupta, M Menon 1. Stem cell therapy in utero - W. Holzgreve 2. Endoscopic surgery in the smallest patient - Sailesh Kumar 3. Prevention, therapy for Rh disease - Helen Frances Savoia	11:15 –12.45 PM Symposium - Management of fetal conditions Chair – Dilip Dutta ,Sharda Jain, 1. Workup for early onset IUGR – Sunesh Kumar 2. IUGR-anemia,multiple micronutrient supplementation and beyond - Shalini Singh 3. Implications and Management of oligohydramnios and Polyhydramnios - Priti Venkatesh 4. Placental abnormalities- Fetal implications - Hema Diwakar	11:15 -12.45 PM Symposium 8 - Medical Disorders : Maternal Fetal considerations Chair : Shalini Rajaram, Kamal Gupta 1. Management of B -Thalassemia Major in pregnancy : Obstetricians alert - Ratna Chatterjee 2. Maternal fetal work-up and management of Non-Immune hydrops fetalis– Sujatha Jagadeesh 3. Recognition and management of thyroid disease in the fetus - Vinita Das 4. Diabetes Mellitus : Pre-pregnancy and pregnancy monitoring for prevention of congenital malformations - Srikhande Laxmi
12.45 –1:30PM LUNCH		
1:30 – 3:00 PM Symposium 9 Advanced Imaging Chairpersons –Rahul Sachdeva, Shyam Barua 1. Fetal echocardiography in the first and early second trimester – Indrani Suresh 2. MRI in prenatal diagnosis beyond 4D ultrasound – Sailesh Kumar 3. 1 st & 2 nd Trim targetted US for chromosomal anomalies – Manju Virmani 4. Skeletal dysplasias - Nitin Chaubal	1:30 – 3PM Symposium 10 - Molecular Fetal Diagnosis - Chairpersons: Vincenzo Cirigliano, R N K Bamezai 1. Non invasive prenatal diagnosis of B thalassemia and Rh - already a reality – Anurag Gupta 2. Hemoglobinopathies - Renu Saxena(SGRH) 3. Neuro-muscular disorders – Balraj Mittal 4. PND of Bleeding disorders - Renu Saxena (AIIMS)	1:30 – 3.15PM Symposium 11. Infertility AR T , & PND. Chairpersons: –LK Dhaliwal , Prakash Trivedi 1. Relevance of Genetic counseling in male infertility – Raju Sahetya 2. ART : Role in Fetal Medicine – Kuldeep Jain 3. PND issues in IVF, ICSI, Surrogacy – Sohani Verma 4. Preimplantation Geneticdiagnosis- Indian Experience – Arundhati Athayle
3:00- 4:30PM Symposium 12 - Lab Diagnosis of fetal chromosomal anomalies – Chairpersons: Radha Rama Devi, BS Chavan 1. Advances in cytogenetics applied to prenatal diagnosis – Hema Purandarey 2. QF- PCR as stand alone test - The Hung Bui 3. Fetal karyotype : Conventional VS FISH - Kiran Kucheria 4. Trouble shooting in interpretation of fetal chromosomal abnormalities – Meena Lall	3:00- 4:30PM Symposium 13 - Fetal-neonatal correlation Chair - Prakash Gambhir, RC Deka 1. Minimally invasive autopsy - Christoph Lees 2. Congenital malformations : USG and autopsy correlation - Shubha Phadke 3. Approach to congenital deafness – Manju Ghosh 4. Neonatal screening for inborn errors of metabolism - Arvind Lal	

4:30 – 5:30PM -**QUIZ** on **PRENATAL DIAGNOSIS**

Chairpersons :**Seema Rashid , Kuldeep Singh**

Quiz Masters-Mala Arora, Nutan Agarwal (Obstetrics, Neonatology), Ratna Puri (Genetics), Varun Dugal (Imaging)

VALEDICTORY FUNCTION AND PRIZE DISTRIBUTION

POST CONGRESS WORKSHOP II – 20th Feb, JLN AUDITORIUM, AIIMS. Prenatal Diagnostic and Therapeutic Procedures; Neonatal, Pediatric Surgical Management

Convenors: Suneeta Mittal, Ashok Khurana, DK Gupta, VK Paul

Co-Convenors: Alka Kriplani

Org. Secy: Deepika Deka

8.30-10.30AM	Chairpersons - P.K. Shah, Sunesh Kumar Ultrasound - congenital malformations and chromosomal Abnormalities (live) -Ashok Khurana, Kuldeep Singh, Varun Dugal, Pradeep Garg, Suman Lal
10.30AM-12Noon	Chairpersons - Suneeta Mittal, Alka Kriplani U/S guided procedures (Live)-Amniocentesis (Suneeta Mittal, Vatsla Dadhwal) Chorion Villus Sampling - (Alka Kriplani, Nutan Aggarwal) Cordocentesis- (Kallol K Roy, Neena Malhotra)
12Noon-1PM	Surgical correction of Fetal Disease Chairpersons- S Suresh, Deepika Deka Open fetal surgery, operative fetal endoscopy (Video)- Sailesh Kumar
1PM - 1.30 PM	LUNCH
1.30-2.15 PM	Intrauterine fetal blood transfusion (IUT) Chairpersons - Adi Dastur , Neerja Bhatla Intravascular / Intraperitoneal - Deepika Deka, Vatsla Dadhwal, Intrahepatic IUT- S. Suresh

Neonatal Care and Prognosis in Prenatally Diagnosed Fetal Congenital Defects.

2.15-2.45PM.	Chairpersons: Vinod K Paul, Renuka Sinha Neonatal Resuscitation of Malformed Baby - Neelam Kler
2.45-4.15 PM	Panel discussion: The Fetal-Neonatal tete-a –tete. Counseling, Prenatal decision making and Pediatric Surgical Management. Moderator –DK Gupta Panelists – Kamalakant Chaturvedi, SB Khanna, RN Bagga, Ramesh Agarwal, Ratna Puri, Ravi Kumar V, Bajpai M

Closing Ceremony

PUBLIC AWARENESS PROGRAMME

5PM -7PM , JLN AUDITORIUM, AIIMS .

HOW TO HAVE A NORMAL, HEALTHY BABY, PREVENT HANDICAP

Guests of Honour -Ms Juhi Chawla, R P Soonawalla

1. **Counselling for prevention of Congenital and Genetic Disease in baby.** Madhulika Kabra
2. **Ultrasound 2 / 3 / 4 Dimension - looking for abnormalities in baby inside the Mother's womb!**
Ashok Khurana
3. **How to confirm whether baby has genetic disease -by sampling baby's blood, fluid or placental biopsy during pregnancy , is it risky ?**
Deepika Deka
4. **Panel Discussion :**
Ensure birth of a normal, healthy baby ; and rehabilitation for non lethal handicap .
Moderator - Dr. I.C. Verma

Panelists – R.K. Srivastava, Chaitanya Prasad, DK Pattnaik, Sharad Gogate, W. Holzgreve , Ramesh C Deka ,Veena Kalra , Sunanda K

OPEN HOUSE

Vote of Thanks- Neena Malhotra