

FMFI FETAL NEUROIMAGING CONFERENCE

12-14 AUGUST 2022, GOA



WHO SHOULD ATTEND

Specialists who perform anomaly scans routinely and now want to advance their skills in fetal CNS abnormalities by identifying patterns of brain malformation, investigating appropriately and prognosticating outcomes.

CONFERENCE DURATION

1.5 days intensive Masterclass by the invited Gurus interspersed with original case discussions by Neuro specialists from India.

ULTRA SOUND • MRI • GENETICS

PRE CONFERENCE WORKSHOP

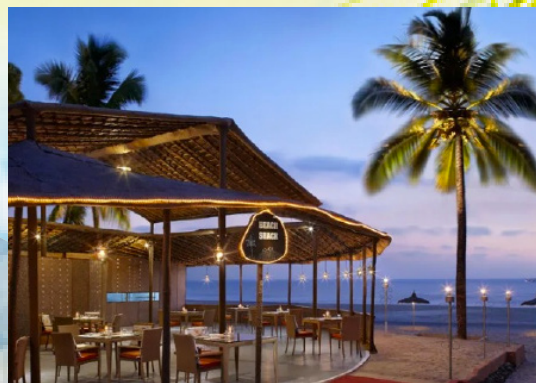
- Masterclass in FETAL BRAIN with Dr B S Rama Murthy - 12th Aug

POST CONFERENCE WORKSHOPS

- Masterclass in FETAL MRI - 14th Aug
- Hands-on OPUS SIMULATOR based FETAL BRAIN SONOGRAPHY with Prof Gustavo Malinger- 14th Aug

LAST CHANCE TO REGISTER
FINAL SCIENTIFIC PROGRAMME

VENUE:
CARAVELA BEACH RESORT
VARCA, GOA



Register Now

www.fmfindia.in/fetalneurogoa

For queries please contact:

Renuka Sangle on

Whatsapp number +91 9373718171

or write to info@fmfindia.in



SCIENTIFIC PROGRAMME

DAY - 1, Friday 12th August



Time	Topic	Speaker	Chairperson(s)
9.00 AM - 12.30 PM	3D/ 4D Workshop, Masterclass in Fetal Brain	Dr. B S Ramamurthy	
12.30 Onwards	LUNCH BREAK		
1.45-1.55 PM	Welcome/ Inauguration	Dr. Anita Kaul	
1.55-2-15 PM	Ultrasound Preset: Setting the Stage	Dr. Priya Deshpande	Dr. Vivek Krishnan, Dr. Saket Thakar
2.30-03.15 PM	Normal Anatomy: Ultrasound, the Mirror	Dr. B S Ramamurthy	Dr. Shetal Mehta Dr. Shweta Bhandari
3.20-3.50 PM	Basic MRI Sequences: Decoded	Dr. Elspeth Whitby	Prof. Gustavo Malinge, Dr. R Rajeswaran Dr. Shetal Desai
3.55-5.55 PM	Anterior Complex and Corpus Callosum : Dealing with the missing link		Prof. Gustavo Malinge
45 mins	Ultrasound	Dr. BS Ramamurthy	
30 mins	What can the MRI add?	Dr. Gregor Kasprian	
15 mins	Genetics and prognostication	Dr. Divya Aggarwal	
10 mins	Agenesis of Septi pellucidi? Or not quite there?	Dr. Vivek Krishnan	
10 mins	Thick CC- Insights with fetal MRI DTI	Dr. Shetal Desai	
5.30 - 6.10 PM	Discussion and TEA BREAK		
6.15-7.55 PM	Midbrain Hindbrain abnormalities :Be(hind) the Obvious		
60 mins	Ultrasound	Prof. Gustavo Malinge	Dr. BS Ramamurthy,
30 mins	What can the MRI add ?	Dr. Gregor Kasprian	Dr. Veena Acharya
10 mins	Discussion		Dr. Shetal Desai Dr. R Rajeswaran
8.15 PM Onwards	DRINKS AND DINNER		

DAY - 2, Saturday 13th August

Time	Topic	Speaker	Chairperson(s)
9.00 - 9.05 AM	Introduction	Dr. Anita Kaul	
9.05 - 9.35 AM	Midbrain Hindbrain abnormalities :Be(hind) the Obvious		
15 mins	Role of Genetics	Dr. Divya Aggarwal	Dr. BS Ramamurthy
10 mins	Peeking through the keyholes in the backwaters of the brain:A Decade's Dive	Dr. Vandana Chaddha	Dr. Meenal Agarwal Dr. Veena Acharya
5 mins	Discussion		
9:40-10:35 AM	Ventriculomegaly: The tip of the Iceberg (Algorithm for management, Prognosis for Mild /mod/ severe; Previous VM-Now resolved prognosis, Asymmetrical ventricles)	Prof. Gustavo Malinge	Dr. Prathima Radhakrishnan Dr. Aparna Sharma Dr. Sumitra Bachani
45 mins			
10 mins	Recurrent Ventriculomegaly: What next?	Dr. Nupur Shah	
10:40-10:55 AM	Computational brain Imaging	Dr. Richa Dr. Suresh Seshadri	Dr. Gustavo Malinge Dr. Anita Kaul
10.55 - 11.10 AM	TEA BREAK		
11.15 - 12.30 AM	Cross Talk	Prof. Gustavo Malinge Dr. BS Ramamurthy Dr. Divya Aggarwal Dr. Meenal Aggarwal Dr. R Rajeswaran	Moderator: Dr. Akshatha Prabhu
12.35 - 1.15 PM	Neural Tube Defects	Dr. B S Ramamurthy	Dr Ashwini Rathi Dr. Chandrakant Garg

DAY - 2, Saturday 13th August

Time	Topic	Speaker	Chairperson(s)
1.15 - 2.00 PM	LUNCH BREAK		
2.00 - 4.10 PM 90 mins	Cortical Malformations: When Smooth is rough Ultrasound (Including Microceph/Macroceph) Disorders of Proliferation Disorders of Migration Disorders of Organisation	Prof. Gustavo Malinger	Dr. Anita Kaul Dr. Vivek Krishnan Dr. Nupur Shah Dr. Nidhi Goyal
25 mins 15 mins	MRI (Tubulinopathies) Genetics and prognostication	Dr. Liat Ben Sera Dr. Meenal Aggarwal (Medgenome Data)	
4.15 - 5.15 PM	COFFEE BREAK and FREE PAPER	JUDGES Prof. Gustavo Malinger Dr. Ashok Khurana	Kriti Menon Dr. Chandrakant Garg Dr. Nidhi Shetty
8 mins each	<ul style="list-style-type: none"> The significance of detailed neurosonography in prognosticating fetal cerebral ventriculomegaly in low resource setting Counseling parents with prenatally detected Diastematomyelia – an outcome study of 28 cases from a single tertiary centre Partial agenesis of corpus callosum (PACC) – its associations and outcomes Fetal supratentorial extraventricular cysts: associations and outcomes Renuka S, Radhakrishnan P Neurodevelopmental outcome in fetuses with isolated mild ventriculomegaly (MVM) detected at the 18 – 24 weeks' scan – a counseling dilemma in a limited resource setting. Insights from Whole Exome sequencing in CNS malformations Neurodevelopmental outcomes in severe ventriculomegaly The role of artificial intelligence in screening and democratizing quality prenatal care: A retrospective validation on sonograms of fetal brain 	Dr. Monica Reddy M Dr. Jagruthi C Dr. Reshma Marineni Dr. Renuka S Dr. Arshdeep Kaur Dr. Kriti Menon Dr. Ananya Basu Dr. T Sharan / Dr. Prathima Radhakrishnan	
5.20 - 6.00 PM	IVH / Stroke	Prof. Gustavo Malinger	Dr Smita D, Dr Tulika
6.00 - 7.00 PM	ORAL POSTERS	JUDGES Prof. Gustavo Malinger Dr. Vandana Chaddha	Kriti Menon Dr Vaishali Mundhe
	<ul style="list-style-type: none"> Intraventricular hemorrhage in the fetus: An antenatal manifestation of multisystem inflammatory syndrome of newborn Spectrum of First trimester CNS anomalies – our experience Prenatal Diagnosis of Ihermitte duclos disease at 20 weeks: Rare case report An unusual prenatal presentation of non galeal arterio venous malformation Prenatal diagnosis and perinatal outcome of Malformations of Cortical Development (MCD) Cavum septi pellucidi width in fetuses with cavum septi pellucidi-et-vergae and its association with aneuploidies in a low risk population Antenatally diagnosed Lissencephaly – importance of genetic workup Prenatally detected sacral agenesis - associations and outcomes A case report of fetal brain degeneration – Multicystic Encephalomalacia Usefulness of Intracranial Translucency (IT) in screening for chromosomal, brain and spine anomalies Neurodevelopmental outcomes in a case series of increased cisterna magna Outcomes of Agenesis of Corpus Callosum-A case Series Evaluation and Outcomes of Neural Tube Defects over 10 years: A Single Centre Experience Corpus Callosal Agenesis - survey of 83 cases from a tertiary care centre 	Dr. Anubhuti Rana Dr. Saira Rajan Dr. Priyanka Chaudhary Dr. Mounika Kachakayala Dr. Ponmozhi Ganesan Dr. Dhanya Keezhatoor Dr. Jagruthi C Dr. Aarti Hosmani Dr. Lavanya Satyam Dr. Ashwini Konin Dr. Swati Shivhare Dr. Preeti Singh Dr. Aanchal Sablok Dr. Vaishali Mundhe	
Online Webinar. Date to be announced later	Fetal Infections Disorders of Ventral Induction First Triimester CNS Anomalies	Prof. Gustavo Malinger Prof. Gustavo Malinger Prof. Simon Meagher	
7.45 PM Onwards	GALA DINNER - Fun and frolic Goa style		

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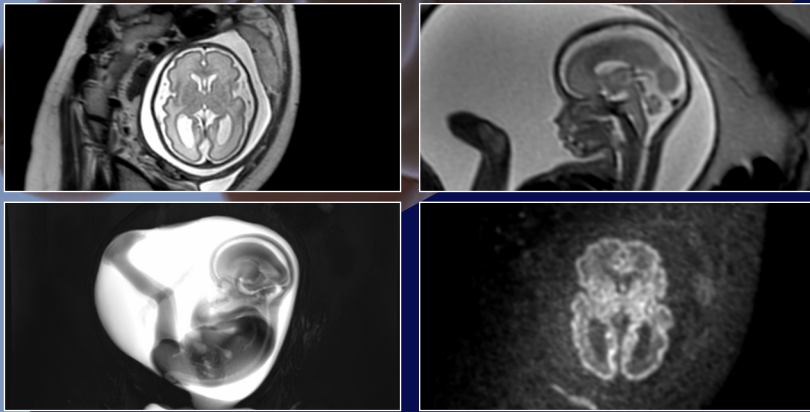
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POST CONFERENCE WORKSHOP

Hands on Interactive Course on Fetal MRI - From Pixel to Practice

14th August, 9.00 AM to 7.00 PM



International Faculty

Dr. Elspeth Whitby (University of Sheffield)
Dr. Dilkash Kajal (University of Toronto)
Dr. Liat Ben Sira (University of Tel Aviv)
Dr. Mariana Schuette (University of Vienna)

National Faculty

Dr Nitin Ghonge (Apollo Hospitals, New Delhi)
Dr. R Rajeswaran (Sri Ramachandra Hospital, Chennai)
Dr. Nidhi Goyal (Apollo Hospitals, New Delhi)
Dr. Anita Kaul (Apollo Hospitals, New Delhi)

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SCAN TO REGISTER

All sessions
on interactive
DICOM-viewer



PROUD SPONSOR:

PHILIPS

FINAL PROGRAMME

Session 1

[15 mins
9.00-9.15 AM]

Overview of Fetal MRI

- Clinical indications/contraindications.
- Patient scheduling/preparations.
- MR physics-Implications in image acquisition/interpretation.
- Important points in Maternal-Fetal Safety.
- PC-PNDT compliance.

Session 2

[15 mins
9.15-9.30 AM]

Image Acquisition: MR sequences & protocols

- Review of basic MR sequences.
- Acquisition Scan Protocols.
- Scan planning.

Session 3

[1 hour
9.30-10.30 AM]

Image Interpretation - Normal & Altered Fetal Anatomy

- Fetal Brain & Spine – Normal appearances & variants, timelines, Myelination.
- Fetal Chest & Abdomen – Normal appearances & variants, timelines.
- Fetal Environment - Umbilical cord, Placenta and Myometrium.

Session 4A

[3 hours
10.30AM-1.30PM]

HANDS-ON, Case-based Reviews – ‘Phillips DICOM Viewer’ ONSITE FACULTY

- Image Interpretation and approach to diagnosis.
- Pearls and Pitfalls in image interpretation.
- Ultrasound-MRI correlation in select cases.
- Clinical Problem-solving.

[1.30-2.30PM]

Lunch Break

Session 4B

[4 hours
2.30PM-6.30PM]

HANDS-ON, Case-based Reviews – ‘Collective Mind Platform’ ONLINE FACULTY

- Image Interpretation and approach to diagnosis.
- Clinical Problem-solving.
- Prediction of Outcomes – Scoring systems.
- Volumetric Analysis.
- Advanced MR applications.

List of Cases to be covered in Session 4A - 4B

Corpus Callosum Agenesis / Dysgenesis

Posterior Fossa Anomalies including brain stem lesions.

Brain Parenchymal Bleed / GMH & Infections.

Malformations of Cortical development

Sulcation abnormalities.

Intra-cranial space-occupying lesions.

Vascular lesions

Cavum Septum / Optic Chiasma / Orbital lesions

Cranio-Facial / Skull base / Calvarial lesions

Spinal dysraphism

Spinal space-occupying lesions inc. SC teratoma
CPAM / BPS

Congenital Diaphragmatic Hernia / Eventration

Gastro-intestinal Atresias / Strictures

Abdominal Mass lesions / Abdominal Wall defects

Obstructive Renal Lesions

Cystic Renal Lesions

Genito-urinary abnormality

Extremities / Body Wall Lesions

Placenta Accreta Spectrum

Session 5

[30 mins
6.30 -7.00PM]

Integration into Fetal Medicine

- Fetal MRI-Impact on Clinical decisions.
- Communications with the referring Clinician.
- Patient Counseling.
- Open case presentations / discussions.
- Questions / Answers.

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Hands-on OPUS SIMULATOR based FETAL BRAIN SONOGRAPHY with Prof Gustavo Malinge



COURSE FACULTY

Prof. Gustavo Malinge
Director; Obstetrics and Gynecology Ultrasound Unit,
Lis Maternity and Women's Hospital, Tel Aviv

FINAL PROGRAMME

8.00 - 9.30	The normal brain at different gestational ages
9.30 - 10.30	Neural tube defects
10.30 - 11.00	Break
11.00 - 12.00	Holoprosencephaly
12.00 - 13.00	Malformations of cortical development
13.00 - 14.00	Lunch
14.00 - 15.00	Abnormalities of Posterior Fossa
15.00 - 16.00	Malformations of cortical development
16.00 - 17.00	Fetal infections involving the brain
17.00 - 18.00	Callosal anomalies and variants

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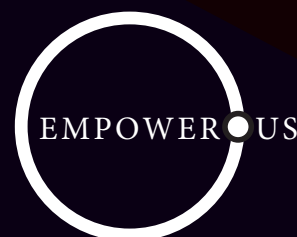
Those specialists who wish to further master the scanning techniques of fetal brain imaging.

The OPUS ultrasound simulation device will allow a hands-on experience of TVS scanning on both normal and many pathology cases so that by the end of the course the candidate has confidence in dealing with fetal CNS lesions

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Simulated Ultrasound Training

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The Fetal
Medicine
Foundation
India

PRE CONFERENCE WORKSHOP 3D:4D FETAL BRAIN Masterclass with Dr. B S Rama Murthy



Course Faculty:

Dr. B S Rama Murthy
Consultant Radiologist and Fetal Medicine Specialist at Srinivasa
Ultrasound Scanning Centre, Bangalore

- Session 1** Basics of 3D display and manipulation
- Session 2** How to acquire a good brain volume? 20 mins
- Session 3** Hands on laptop based 4D view sessions
 - Working with normal brain volumes – 60 min
 - Working with abnormal brain volumes – 60min
- Session 4** Decoding abnormal brain volumes – Interactive session

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ATTRACTIVE RESIDENTIAL
PACKAGE FOR 2 Nights: 18,000/-
(Twin sharing basis +
conference registration)

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