

2nd Fetal MRI Course.

**'Hands-on'
Interactive
Course on
Fetal MRI**



– *From Pixel to Practice.*
[Interactive sessions on
OSIRIX DICOM-viewer].

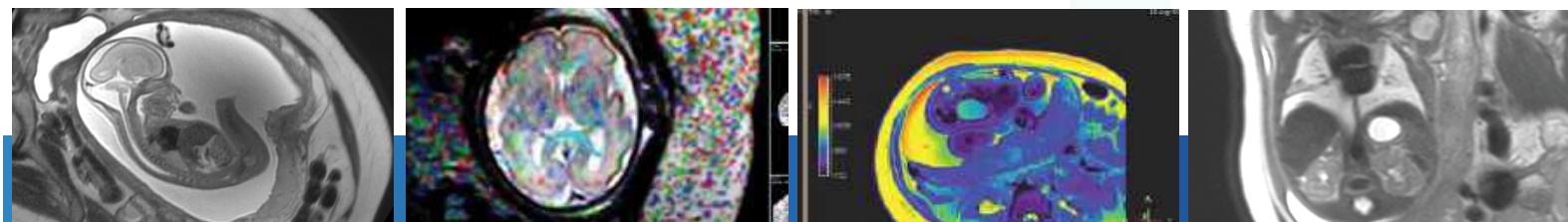
In Collaboration with

PHILIPS

Dates: 6th [Sat] & 7th [Sun] April 2024.

Venue:

Auditorium, Indraprastha Apollo Hospitals, New Delhi.



Course Highlights:

- Antenatal MR Imaging including Fetal & Placental MRI is the key 'problem-solving' option in a wide range of fetal & placental abnormalities.
- Fetal MR Imaging helps in confirmation of Ultrasound findings and provides key structural & functional information, which helps in better prognostication, patient counseling and decision-making in fetal medicine.
- Placental MR Imaging allows confident diagnosis of Placenta Accreta Spectrum [PAS].
- This '**hands-on**' **ONSITE** interactive course on Fetal MRI provides an excellent platform to learn the basic & advanced concepts in Fetal MR Imaging from the leading national and international experts.
- All delegates will be provided with worked-up cases on a 'DICOM-viewer' for interactive 'hands-on' learning. The faculty will assist the delegates to evaluate each case. Ultrasound images for correlation will be available in select cases. Additional teaching sessions will provide further insights.

Course Faculty:

National Faculty [ONSITE]:

1. Dr. Nitin P. Ghonge.

Dept of Radiology, Indraprastha Apollo Hospital, New Delhi.

2. Dr. Nidhi Goyal.

Dept of Radiology, Indraprastha Apollo Hospital, New Delhi.

3. Dr. Smita Manchanda.

Dept of Radiology, AIIMS, New Delhi.

International Faculty [ONLINE]:

1. Dr. Gregor Kasprian.

Department of Biomedical Imaging and Image-guided Therapy Medical University of Vienna, Währinger Gürtel Vienna, AUSTRIA

2. Dr. Sahar Saleem

Department of Radiology Faculty of Medicine, Cairo University, Cairo, Egypt.

Multi-disciplinary Session Faculty [ONSITE]:

1. Dr. Anita Kaul.

Dept of Fetal Medicine, Indraprastha Apollo Hospital, New Delhi.

2. Dr. Akshata.

Dept of Fetal Medicine, Indraprastha Apollo Hospital, New Delhi.

3. Dr. Divya Agarwal.

Dept of Medical Genetics, Indraprastha Apollo Hospital, New Delhi.

4. Dr. Prashant Jauhari.

Dept of Pediatric Neurology, AIIMS, New Delhi.

Day 1 : 6th April 2024 [Saturday].

Registration & Breakfast: 8:30AM - 9:00AM.

Session 1.

(9:00 AM - 9:30 AM)

Overview of Fetal MRI: Key points [30min]

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

Session 2.

(9:30 AM - 10:00 AM)

Image Acquisition: MR sequences & protocols [30min].

- Review of relevant MR sequences.
- Scan Acquisition Protocols & Planning.
- Image quality optimization - Tips and tricks.

Inauguration & Lamp lightening: 10:00 - 10:15 AM.

**Announcement of Special Interest Group -
'Fetal MRI Association' [FMRA].**

Founder Team & Membership: 10:15 - 10:45 AM.

Tea / Coffee break: 10:45-11:00AM.

Session 3.

(11:00AM - 2:00 PM)

Case-based Review [180 min] – Brain.

Corpus Callosum – Agenesis / Dysgenesis & Prognostic scores.

- Normal & variants, timelines.
- Case Interpretation and approach to diagnosis.
- Pearls / Pitfalls, Reporting formats and checklist.

Posterior Fossa – Cerebellar, Vermian & Brain stem morphometry.

- Normal landmarks & variants, timelines.
- Case Interpretation and approach to diagnosis.
- Pearls / Pitfalls, Reporting formats and checklist.

Supratentorial region – Ventriculomegaly, Germinal matrix & Sulcation defects.

- Normal landmarks & variants, timelines.
- Case Interpretation and approach to diagnosis.
- Pearls / Pitfalls, Reporting formats and checklist.

Lunch break: 2:00-3:00PM.

Session 4.

(3:00 PM - 4:00 PM)

Case-based Reviews [60 min] – Face, Neck & Spine.

Maxillo-facial & Neck region – Encephaloceles & mass lesions.

- Normal landmarks & variants, timelines.
- Case Interpretation and approach to diagnosis.
- Pearls / Pitfalls, Reporting formats and checklist.

Spine – Vertebral / Spinal defects and Cord evaluation.

- Normal landmarks & variants, timelines.
- Case Interpretation and approach to diagnosis.
- Pearls / Pitfalls, Reporting formats and checklist.

Day 1 : 6th April 2024 [Saturday].

Registration & Breakfast: 8:30AM - 9:00AM.

Session 5.

4:00 PM - 6:00 PM [IST]
ONLINE Session.

Session 6.

(6:00 PM - 6:30 PM)

Fetal Brain MR Imaging – Dr. Gregor Kasprian [120 hours].

- Fetal brain abnormalities – Ultrasound & MRI.
- Incremental value of MR Imaging – Clinical implications.
- Prognostication in Corpus callosum agenesis / dysgenesis.
- Clinical update and Advances in Fetal MRI.
- Questions / Answers.

Fetal MRI QUIZ [30 min].

- Practice Session, Discussion and Self-Assessment.
- Learning Points – Pearls & Pitfalls.

Tea / Coffee & Snacks: 6:30PM.

End of Day 1.

Day 2 : 7th April 2024 [Sunday].

Registration & Breakfast: 8:00 AM - 8:30AM.

Session 7.

(8:30 AM-10:00 AM)

Case-based Reviews [90 min] – Placenta.

- Placental Anatomy – Normal VS Abnormal.
- Diagnosis of Placenta Accreta Spectrum: US-MRI correlation.
- Pearls / Pitfalls, Reporting formats and checklist.

Tea / Coffee break: 10:00-10:30AM.

Session 8.

(10:30 AM-12:30 PM)

Case-based Reviews [120 min] – Chest & Abdomen.

Fetal Chest: Lung / Mediastinal lesions, key differentials & Volumetry.

- Lungs, Mediastinum and great vessels – Normal Anatomy.
- Case Interpretation and approach to diagnosis.
- Pearls / Pitfalls, Reporting formats and checklist.

Fetal Abdomen 1 : Gastro-intestinal abnormalities & focal mass lesions.

- Alimentary tract & hepatobiliary system – Normal Anatomy.
- Case Interpretation and approach to diagnosis.
- Pearls / Pitfalls, Reporting formats and checklist.

Fetal Abdomen 2: Genito-urinary abnormalities & Renal functional evaluation.

- KUB region & pelvic organs – Normal Anatomy.
- Case Interpretation and approach to diagnosis.
- Pearls / Pitfalls, Reporting formats and checklist.

Session 9.

12:30 PM - 2:00 PM.
ONLINE Session.

Fetal body MR Imaging – Dr. Sahar Saleem [90 min].

- Fetal chest & abdomen abnormalities – Ultrasound & MRI.
- Incremental value of MR Imaging – Clinical implications.
- Prognostication in Congenital diaphragmatic hernias.
- Clinical update and Advances in Fetal MRI.
- Questions / Answers.

Day 2 : 7th April 2024 [Sunday].

Registration & Breakfast: 8:00AM - 8:30AM.

Lunch break: 2:00-3:00PM.

Session 10.

(03:00 PM - 04:30 PM)

Fetal MRI - Multi-disciplinary meeting [90min].

[Fetal Radiologist, Fetal Medicine specialist, Medical Geneticist & Pediatric Neurologist]

- Clinical case examples: worked-up cases.
- Correlation with Lab investigations / Genetic Markers.
- Clinical decision-making & impact
- Communication with the referring Clinician.
- Patient Counseling.

Session 11.

(04:30 PM - 5:30 PM)

Closing Session: Open Discussions / Take-home Points [90min].

- Fetal MRI Quiz with discussions.
- Expert's opinion – Participant's Cases.
- Questions / Answers: Individual interactions.
- Certificate of Attendance to all the participants.
- Group photographs.

Tea / Coffee: 5:30PM.

End of Day 2.

For Online Registrations & further details,
Kindly visit www.delrad.in



Online
registrations
available

Account details for NEFT:

Account Name: RADIOLOGY RESIDENT COURSES;

Bank A/c No. 50762413000947 • IFSC Code: PUNB0507610

Punjab National Bank Apollo Hospital Branch, Sarita Vihar, New Delhi-110076 (INDIA)

Course Registration :

Course Registrations [in INR].

Till 30th March 2024	20000
Beyond 30th March 2024	25000
Single day Registration [Day 1/ 2]	10000

'Hands-on'

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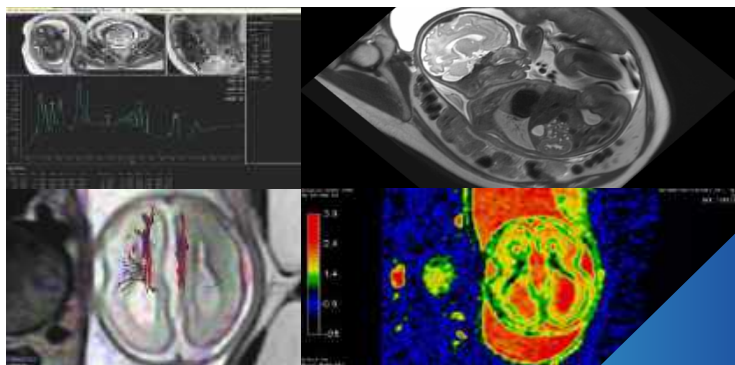
CONTACT DETAILS:

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For Online Registrations & further details, Kindly visit www.delrad.in

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