

Jaipur
19-20 DEC 2026

FETAL NEURO SUMMIT

ANOMALY SCAN CERTIFICATION COURSE

SCIENTIFIC PROGRAMME

DAY - 1

Time	Session/ Module	Topic/ Talk
7.30-8.00	Registration	
8.00-8.15pm	Welcome	Introduction
		Introduction to the FMFI-FMFI Anomaly Scan Certification and international screening benchmarks.
		Navigating the FMFI portal (www.fmfindia.in), active FMFI ID registration, and managing the application pathway.
		Mandatory compliance with the PCPNDT Act and applicable Indian regulatory requirements for obstetric ultrasound.
		Course faculty
	CNS	Head & Brain
8.15-8.30		Anatomical criteria for the Axial TV plane: measuring BPD, OFD, and the lateral ventricle atrium (< 10 mm) with a visible CSP.
		Anatomical criteria for the Axial TC plane: measuring and displaying a dumb-bell shaped cerebellum, cisterna magna, and nuchal fold
8.30-9.15		Head & Brain - Abnormals - video demos
		Spine
9.15 -9.30		Spine protocol breakdown: demonstrating the intact skin line and natural curvature across the sagittal cervical/upper thoracic spine, sagittal lumbosacral spine, and axial sacral spine tip.
9.30-10.15		Spine - Abnormals - video demos
	Urinary Tract	Kidneys & Bladder
10.15-11.00		Renal pelvices protocol: demonstrating and measuring bilateral antero-posterior diameters.
		Axial bladder view: using Colour Doppler to demonstrate two distinct umbilical arteries hugging the bladder walls.
		Urinary Tract - Abnormals - video demos
11.00-11.30		Coffee
11.30-12.15	Face & Neck	Face
		Mid-sagittal fetal profile requirements: end-to-end nasal bone measurement, forehead profile, and ruling out micrognathia.
		Reviewing facial structures: integrity of the upper lip & nostrils (ruling out cleft lip), transverse orbits & lenses (evaluating hypo/hypertelorism or cataracts), hard palate, and external ear measurements.
		Face & Neck - Abnormals - video demos
12.15-1.00	Extremities	Upper & Lower Limbs
		Extremities protocol: longitudinal view and measurement of Femur Length (FL).
		Longitudinal views of the forearms (radius/ulna with open hand) and lower legs (tibia/fibula with foot, ensuring the exclusion of club foot/CTEV).
		Footprint view requirements: demonstrating all toes clearly while keeping the legs completely out of the frame.
		Extremities - Abnormals - video demos
	Thorax	Thorax
1.00-1.15		Assessment of Fetalk Thorax - Axial, Sagittal & Coronal Views
1.15-1.45		Thorax - Abnormals - video demos
1.45-2.30		LUNCH
	Cardia	Cardia - Normal planes
2.30-3.00		Anatomical breakdown of the Axial 4-Chamber view (4CH): verifying symmetry, the ventricular septum, differential AV valve insertion, and the foramen ovale flap in the left atrium.
		Left Ventricular Outflow Tract (LVOT) criteria: confirming aorta origin while maintaining septo-aortic and mitral-aortic continuity.
		Right Ventricular Outflow Tract (RVOT) criteria: demonstrating the pulmonary artery arising from the right ventricle and its subsequent branching.
		3-Vessel / Trachea View (3VV / 3VT): evaluating the alignment and relative sizes of the Pulmonary Artery, Aorta, and Superior Vena Cava.
		Axial upper thorax view: utilizing Colour Doppler flow imaging to map the Normal Right Subclavian Artery (NRSA) coursing behind the trachea.
		Standard cardiac views, emphasizing dynamic sweeps from the 4CH view up to the 3VT view.
		Demonstrating how to avoid "incomplete outflow tracts" by ensuring the vessel is clearly shown originating from its respective ventricle.
		Adjusting gain and focal zones to ensure crisp visibility of moving structures like heart valves.
3.00-3.45		Cardia - Abnormals - video demos
		4CV anomalies
		OFT anomalies
3.45-4.15	Soft Markers & Risk in 2T	Soft markers in 2T
		Covering all the relevant soft markers
		Calculation of Risks in 2T
		Serum Biochemistry in 2T
4.15-5.00	Exam	MCQ Exam on Second Trimester Module
5.00-5.30		General Image Quality Standards and Rejection Pitfalls
		Review of core quality criteria: ensuring each structure occupies approximately 75% of the frame, and optimizing gain, focal zones, and depth.
		Protocol for image de-identification (removing patient names/identifiers) and clear, systematic plane labelling.
		Case discussion on self-auditing to prevent immediate re-submission requests due to blurry borders or acoustic shadowing.
		Interactive session examining automated portal checks for image resolution, date validity, and plagiarism.
		Case review of sample head and face images failing the initial automated pre-screen.
		Review of submitted image sets rejected due to partial views, sub-optimal Doppler flow, or wrong magnification.
		Understanding the AI pre-screening criteria pre-fill system for complex cardiac views.

DAY - 2

Time	Session	Topic
9.00 -1.00	Group Demonstrations on patients - Onsite	Interactive Session: Final 24-Image Set Checklist and Practical Examination Roadmap Small Group Live Demonstrations ,in which the 24 correct image submissions will be demonstrated on patients with tips for acquisition and enough time to ask the Group Mentor questions .In addition Uterine Artery Doppler ,Cervical Length and Obstetric Dopplers will be demonstrated.
		Final walkthrough of the pre-upload self-audit checklist (ensuring all 24 specific images are compiled as a single set, fully de-identified, correctly labelled, and annotated).
		Preparing for the hands-on Practical Examination: what the FMFI-approved examiner looks for regarding scanning technique, measurement accuracy, landmark identification, and PCPNDT Act compliance.
		Final certification overview: from receiving the FMFI Audit Report to the issuance of the globally recognized, co-branded FMF UK / FMFI Certificate of Competence and directory listing.
1.00-5.30		FMF-UK /FMFI Fetal Anomaly Practical Assessment Exam (for those who are eligible for the assessment)