IMAGING MASTERCLASSES

Announces Registrations for Next Batch

ADVANCED FETAL ECHO COURSE

Registrations Open for Next Batch

(Online, Onsite and Hands-on Training)

Eligibility: Post Graduates & Above

OUR FACULTY

DR. VIVEK KASHYAP

DR. BS RAMA MURTHY

DR. CHANDER LULLA

DR. PRASHANT ACHARYA

DR. NITIN CHAUBAL

DR. RACHITA RAMANMURTHY

DR. VIKAS KAUSHAL

DR. VERONICA ARORA

3 DURATION MONTHS

"LEARN BY DOING"

O.P.U.S BASED HANDS ON ULTRASOUND TRAINING

2 WEEKENDS
1 SUNDAY
ON-SITE CLASS

6 ONLINE CLASSES

HANDS ON TRAINING ON SIMULATORS

LIVE DEMO

PRE AND POST COURSE TESTS WITH ASSIGNMENTS

CONTACT NO. +91-9873808981, 9811116050

Email- info@imagingmasterclasses.com Website- www.imagingmasterclasses.com

COURSE CURRICULUM

COURSE HIGHLIGHTS

- Hybrid learning model: Onsite + Online
- 2 Weekends 1 Sunday ON-SITE CLASS
- 6 Online Classes
- Hands On Training on Simulators
- Live Demo
- Pre and Post Course Test with Assignments

Scientific Curriculum

ONSITE MODULE 1

Foundations of Fetal Echocardiography

- Course introduction and orientation
- Cardiac planes and anatomical landmarks
- ISUOG guidelines in fetal echocardiography
- Pre-course assessment
- Determination of fetal situs
- Four-chamber view: fundamentals
- Abnormal four-chamber view
- Ventricular asymmetry
- Hands-on training: four-chamber view
- Outflow tract assessment: principles
- LVOT and RVOT
- Three-vessel view (3VV)
- Three-vessel trachea view (3VT) and thymus
- Sagittal view
- Bi-caval view
- Abnormal cardiac axis
- Basic cardiac screening vs detailed fetal echocardiography
- Machine settings and image optimization
- Live demonstrations
- Approach of a fetal cardiologist
- Current status of fetal echocardiography in clinical practice
- Interactive discussion and Q&A

ONLINE MODULE 1

Embryology and Cardiac Measurements

- Development of the fetal heart
- Cardiac biometry
- Z-score interpretation and clinical relevance

ONLINE MODULE 2

Laterality and Great Vessel Abnormalities

- Heterotaxy syndromes
- Aortic arch anomalies
- Pulmonary arch anomalies

ONLINE MODULE 3

Early Cardiac Evaluation and Prognostication

- First-trimester fetal heart assessment
- Prognostication of congenital heart disease
- Duct-dependent cardiac defects

ONLINE MODULE 4

Outflow Tract and Valve Disorders

- Common arterial trunk (CAT)
- Pulmonary stenosis
- Pulmonary atresia with intact ventricular septum

ONSITE MODULE 1

Comprehensive Evaluation of Congenital Heart Disease

- Detailed evaluation of 3VV and 3VT
- Role of color Doppler in fetal echocardiography
- Total anomalous pulmonary venous connection (TAPVC)
- Fourth vessel identification in 3VV
- Ebstein anomaly
- Tricuspid valve atresia and dysplasia
- Univentricular hearts
- Atrioventricular valve anomalies
- Double inlet ventricle
- Aortic anomalies
- Double outlet right ventricle (DORV)
- Ventricular septal defect (VSD)
- Atrial septal defect (ASD)
- Atrioventricular septal defect (AVSD): diagnostic approach
- Pericardial effusion
- Cardiomyopathies
- Cardiac tumors
- Tetralogy of Fallot: classification and prognostication

ONLINE MODULE 5

Advanced Doppler Applications

- Advanced color Doppler techniques
- Identification of red flags in congenital cardiac defects

ONLINE MODULE 6

Rhythm Disorders and Practical Approach

- Fetal cardiac arrhythmias
- Practical tips and systematic evaluation strategies

ONSITE MODULE 3

Advanced Hands-on Training and Clinical Integration

- Course orientation
- Simulator-based fetal echocardiography training
- Practice sessions: normal fetal hearts
- Aortic stenosis
- Critical aortic stenosis
- Hypoplastic left heart syndrome (HLHS)
- Hypoplastic right heart syndrome (HRHS)
- Advanced hands-on training (continued)
- Post-course assessment
- Right aortic arch
- Double aortic arch
- Aberrant right subclavian artery (ARSA)
- Interrupted aortic arch
- Double outlet right ventricle (DORV)
- Transposition of the great vessels (TGV)
- Aortic coarctation
- Outflow tract anomalies: CAT, DORV
- Tetralogy of Fallot
- Fetal cardiac HQ imaging
- Clinical utility of fetal HQ
- Rare cardiac anomalies
- Outcomes in congenital heart disease (CHD)
- Applications of STIC technology

ACADEMIC OUTCOMES

- Competency in systematic fetal cardiac screening
- Accurate diagnosis of congenital heart defects
- Proficiency in Doppler and advanced imaging techniques
- Risk stratification and prognostication
- Integration of fetal echocardiography into routine and advanced clinical practice