



CLINICAL TRAINING IN ECHOCARDIOGRAPHY

Certificate Courses

Master Echocardiography to Diagnose & treat with Confidence

Echocardiogram (Echo)- the use of ultrasound to examine the heart is Safe, powerful, non-invasive and painless technique. In recent years the echo has become one of the most important tools in the diagnosis and evaluation of many cardiac conditions. In districts and secondary care practice one third of all cases comprises of cardiovascular diseases. M.D. physician and DM trainees with clinical cardiology background can develop skill to perform echo, interpret echo studies, and derive information compared with other diagnostic technique. For those who decided to learn echocardiography this is good starting point. The causes diagnosis and evaluation has been approached by using all echo mode – M mode, 2-dimensional, Doppler, colour flow mapping and TEE where ever applicable. The basic aim of this skill development is for equipping doctors with one more effective tool in understanding primary cardiac disease and its involvement in other systemic diseases.

Course Director

Dr. Sundeep Mishra

MBBS, MD, DM, FACC, FSCAI, FAPSC

Senior Faculty of Echocardiography
at Iqamed Academy



He is a Professor, Head Cardiology, Director & Vice Chancellor at NIMS University Jaipur. He has also worked as a Director & Professor of Cardiology at AIIMS New Delhi.

He has done MBBS from SMS Medical College Jaipur, MD Medicine from Safdarjang Hospital, University of Delhi, DM Cardiology from All India Institute of Medical Sciences, New Delhi, Fellowship in Interventional Cardiology from Washington Hospital Center, USA.

HONORS

- 1991 Saral Trophy for Best All round student of SMS Medical College
- 1997 Young Investigator Award, Cardiological Society of India
- 2000 Dr. DP Basu Young Award in Cardiology at APICON
- 2001 Searle Award
- 2001 KL Chopra Award, Cardiological Society of India
- 2002 Achari Prize, Indian Pharmacological Society
- 2010 Young Leader Award, Cardiovascular Revascularization Therapeutics, USA
- 2016 Best Academician Award
- 2017 Finalist BMJ Award
- 2022 Visionary Leader of the year
- 2023 Distinguished Alumni Award
- 2023 Plaque of Honor - Bar Council of India Trust
- 2023 Best Vice Chancellor Of the Year
- 2024 Education Excellence Award

EDUCATIONAL METHODS:



Course - 01

Session 1

- a. Welcome note
- b. Concepts of imaging and knobology

Session 2

Standard views

Sequence of examination –

- a. PARASTERNAL WINDOW (PLA)
- b. PARASTERNAL WINDOW (SAX)
- c. APICAL WINDOW
- d. SUBCOASTAL WINDOW
- e. SUPRASTERNAL WINDOW

Session 3

Spectral doppler and M mode

Session 4

Echo doppler assessment of Right and Left ventricular hemodynamics

Session 5

Chamber quantitation- LV, LA, RV

Session 6

MVD

Session 7

AVD

Session 8

TVD

Session 9

PVD

Session 10

LV FUNCTION, HEART FAILURE

Session 11

PULMONARY HEART DISEASE

Session 12

CORONARY HEART DISEASE

Session 13

CARDIOMYOPATHY AND MYOCARDITIS

Session 14

PERICARDIAL DISEASE

Session 15

- a. Cardiac masses
- b. Infections
- c. Artificial valve

Session 16

Congenital heart disease

Session 17

Special situation-Pregnancy, stroke, TIA

Session 18

Special situation-Hypertension and hypertrophy

Session 19

Artifacts – Theory and illustrative examples

Course Duration: 50 hours

Each Session: 30 - 60 minutes

COURSE FEE

50,000/ INR

Course - 02

ADVANCED COURSE OF ECHOCARDIOGRAPHY

Session 1

- a. Welcome note
- b. Concepts of imaging and knobology

Session 2

Standard views (Duration - 2 hours)

Sequence of examination –

- a. PARASTERNAL WINDOW (PLA)
- b. PARASTERNAL WINDOW (SAX)
- c. APICAL WINDOW
- d. SUBCOASTAL WINDOW
- e. SUPRASTERNAL WINDOW

Session 3 (Duration - 1 hour)

Spectral doppler and M mode

Session 4 (Duration - 1 hour)

Echo doppler assessment of Right and Left ventricular hemodynamics

Session 5 (Duration - 2 hours)

Chamber quantitation- LV, LA, RV, RA

Session 6 (Duration - 45 minutes)

Diastolic Dysfunction

Session 7

MVD (Duration MS- 1 hour, MR- 1.30 hour)

Session 8

AVD (Duration AS- 1.30 hour, AR- 1 hour)

Session 9 (Duration - 1 hour)

TVD

Session 10 (Duration - 1 hour)

PVD

Session 11 (Duration - 30 minutes)

LV FUNCTION, HEART FAILURE

Session 12 (Duration - 1.30 hour)

RIGHT HEART DISEASE

Session 13 (Duration - 1.30 hour)

CORONARY HEART DISEASE

(Segmental Approach wall, Motion, Patterns, Complications)

Session 14 (Duration - 3 hours)

CARDIOMYOPATHY & MYOCARDITIS (DCM, HCM, RCM)

Session 15 (Duration - 1 hour)

PERICARDIAL DISEASE (CCP & Tamponade)

Session 16

a. Cardiac masses (Duration - 30 minutes)

b. Infections-I.E (Duration - 1.30 hour)

c. Artificial valve (Duration - 1.30 hour)

Session 17 (Duration - 3 hours)

Congenital heart disease

Session 18 (Duration - 1 hour)

Special situation-Pregnancy, stroke, TIA

Session 19 (Duration - 30 minutes)

Special situation-Hypertension and hypertrophy

Session 20 (Duration - 1 hour)

Artifacts – Theory and illustrative examples

COURSE FEE
85,000/ INR



Certificate



access



Doubt sessions



E-Modules



E - Modules



Certified Course



High Quality Videos on our Server



Weekly Doubt Clearance Sessions



16 Years Experienced Faculty



24*7 Access


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