



FELLOWSHIP IN 2D ECHOCARDIOGRAPHY

ABOUT MEDVARSITY

Asia's Largest Healthcare EdTech Company

Medvarsity is Asia's largest healthcare ed-tech company offering online and blended learning programs (Fellowship, Post-Graduate Programs and Certificate courses) for healthcare professionals. In the last five years, we have positively impacted the careers of over five lakh healthcare professionals across 192+ countries. We are a team of 300 high-energy professionals of which more than 120 team members have joined us in the last 12 months. Today, we cater to the requirements of both healthcare professionals as well as non-clinicians ensuring industry demand and skilled workforce are in a perfect state of equilibrium.

Medvarsity has won several accolades for contribution to healthcare education and healthcare technology. In 2022, Entrepreneur India and the Ministry of Electronic and Information Technology awarded us with the Best Ed-tech Deployment for higher education. In 2021, Medvarsity won Asia's Greatest Brands in education and ed-tech, an award by Asia One magazine. We are here to partner with you through that journey.



ALUMNI

5,00,000+ medical professionals trained and certified



COURSES

200+ courses in clinical, management and administration



PARTNERS

Global universities and industry leaders



PRESENCE

Students and partners from 190+ countries

Knowledge Changes Lives

FELLOWSHIP IN 2D ECHOCARDIOGRAPHY

The Fellowship in 2D Echocardiography is a specialized course designed to give you necessary knowledge and skills to gain expertise in clinical decision making and diagnosis of various cardiovascular conditions.

This course provides you with a detailed overview of cardiography principles and applications in various cardiovascular conditions. Additionally, the 2D Echocardiography course involves 2D, Doppler, transesophageal and contrast echocardiograms.

In addition to providing you with exposure to echocardiography, this course will improve your ability to confidently handle cases in a clinical setting.



DR. R.R.KASLIWAL
COURSE DIRECTOR

MBBS, MD (General Medicine), DM(Cardiology)
Chairman, Clinical and Preventive Cardiology,
Heart Institute, Medanta Hospitals, Delhi



DR. KUMAR NARAYANAN
COURSE FACULTY

MBBS, MD, DM (Cardiology), CEPS (USA)
Consultant Electrophysiologist at Medcover
Hospitals, Hyderabad

ACCREDITATION PARTNER



COURSE FEE

₹99,000 + GST

PROGRAM DETAILS

HIGHLIGHTS

- 2-weeks contact program in a leading corporate hospital.
- Echocardiography simulation workshop
- Fellowship course with accreditation certified by AHERF
- Learn clinical skills and hands-on techniques with a contact program at a leading hospital.
- Training in medical and surgical emergencies in a systematic manner.
- Guidance by lead doctors and industry leaders.

CERTIFICATION

- Each module is followed by an online test
- On completing the course, contact program and passing the final assessment, the student will be awarded a certificate of Fellowship in 2D Echocardiography

ELIGIBILITY

- MBBS, MD and DNB physicians
- Radiologists, Cardiologists and physicians working in ICUs

COURSE

OUTLINE

Module 1: Echocardiography – Basics and Principles

- Introduction to Echocardiography
- Cardiac Anatomy related to echocardiography
- Basic physics of ultrasound
- Principles of echocardiography
- Transducers
- Conventional echocardiography (TTE)
- Two dimensional and Motion-mode echocardiography
- Principles of Doppler Echocardiography
- Continuous Wave Vs Pulsed wave Doppler echo
- Color Doppler Echocardiography
- A systematic approach to echocardiography: Parasternal
- Long Axis Views
- A systematic approach to echocardiography: Parasternal
- Short Axis Views
- Systematic Approach to echocardiography: Apical Views
- Systematic Approach to echocardiography: Subcostal and
- Suprasternal Views
- Normal values and measurements

COURSE

OUTLINE

- Contrast echocardiography
- Myocardial deformation imaging
- Tissue Doppler imaging
- Transesophageal Echocardiography
- Stress Echocardiography

Module 2: Echocardiography in specific cardiac conditions

- Assessment of LV function and mass
- Assessment of Pulmonary pressure
- Assessment of pulmonary artery systolic pressure
- Assessment of MPAP
- Assessment diastolic pulmonary artery pressure [DPAP]
- CAD: Segmental Assessment of LV Function and RWMA
- Mechanical Complications of MI
- Use of Newer modalities in CAD echo: Strain, strain rate etc.- 20 minutes
- Dilated cardiomyopathy
- Hypertrophic cardiomyopathy

COURSE OUTLINE

- Restrictive cardiomyopathy
- ARVC
- Mitral valve diseases
- Aortic valve diseases
- Pulmonary valve diseases
- Tricuspid valve diseases
- Segmental Approach to congenital echocardiography
- Echocardiography in infective endocarditis
- Echocardiography in pericardial Diseases
- Miscellaneous cardiac conditions

COURSE OUTLINE

Module 3: Echocardiography – Simulations

- Basic Scan Techniques
- Cardiovascular Pathology
- Sonographers
- Ultrasound Physics
- Basic Echocardiography Techniques
- Basic Echocardiography Views
- ECG
- Doppler Techniques
- Embryology & Congenital disorders
- Endocarditis & Pericarditis
- TEE & Stress Echo
- Valve Disease
- Wall Motion & Diastolic Function



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