

SYLLABUS
POST DOCTORAL FELLOWSHIP PROGRAMME IN
ADVANCED ECHOCARDIOGRAPHY

Duration of the Course : One Year

Total Hours : 170 Hours

Course Description:

1. Echocardiography is a vital investigation in making in Cardiology practice
2. From the above time of its discovery the field of Echocardiography keeps expanding
3. From the basic modes now it has advanced including Tissue Doppler, 3D echo and various recent innovative modalities
4. In the future years to come it will be considered as an important investigation for not only Cardiology but also for all general practitioners.
5. Every hospital/clinic will be having an Echocardiography machine for proper assessment of patient condition.
6. Considering its great impact and need to keep pace with newer techniques this will help the student to become an important person. That is the link between patient –general practitioner and cardiologists.

Course evaluation

1. Theory Examination: Duration – 3hours (Marks -100)

Short notes and Long answers

2. Practical Examination : Marks-50

a. Theory Viva Voce: 15 minutes -25marks

b. Case evaluation: 15 minutes -25 marks

Course Outline:

Major Areas	Topics
Echocardiographic Examination	Ultra sound Physics
	Echocardiographic Measurements
	LV function assessment
	Haemodynamics
	Valvular Heart Disease
	Pericardial Disease
	Coronary Artery Disease
	Cardiomyopathies
	Congenital Heart Disease
Special Echocardiographic Techniques	Contrast Echocardiography
	Transoesophageal Echocardiography
	Stress Echocardiography
	Exposure to Pediatric Echocardiography
	Special tackled Echocardiography
	3 - D Echocardiography
	Fetal Echocardiography
Time Doppler	Arterial /Venous Doppler

Course outline:

Major Areas	Topics
Academic skills	Tran thoracic Examination, Specialized techniques
Project	One project relating to echocardiography
Seminar	Monthly once
Journal Clubs	Monthly Once

Course Goal and Objectives:

- Echocardiography is an essential technology integrated into the component of practice of Cardiology
- Echocardiography helps identification of various Adult and Congenital heart diseases.
- To confirm disease identified by Clinical methods.
- To plan and manage heart disease based on Echocardiogram findings.
- To help patient decide on medications and improve health care and prognosis.