



10th Basic Transthoracic Echocardiography Course

and

1st Paediatric Echocardiography Live Demonstration Workshop

Saturday, October 14th and Sunday, October 15th, 2023

Organised by



DIVISION OF CARDIAC ANAESTHESIA, DEPARTMENT OF ANAESTHESIA AND INTENSIVE CARE, PGIMER Chandigarh

Under the aegis of the SOCIETY OF TRANSESOPHAGEAL ECHOCARDIOGRAPHY

COURSE DESCRIPTION:

This course is designed to benefit practicing clinicians who want a comprehensive review of the basic echocardiographic anatomy of the heart and intermediate level practitioners who want to have an update on the latest echocardiographic techniques. The course format will include interactive hands-on skills sessions, case review and Q&A which will help the learners to develop strategies that will lead to improved competence and performance in practice. The Hands-On training is the cornerstone of the program. Participants will learn how to perform the diagnostic scans on volunteers. Trainer to trainee ratio will be kept at 1:6 to have an ample opportunity for the trainees to practice during the hands-on training. This Basic Course will lay the foundation for the health care providers in utilizing point of care ultrasound in their daily practice.

The Paediatric Echocardiography live demonstration will be conducted by expert paediatric cardiologist faculty on real patients to demonstrate the stepwise approach to diagnose complex congenital heart disease by echocardiography

LEARNING OBJECTIVES:

At the completion of the course, the participant should be able to:

- Identify the steps necessary to acquire and interpret images of transthoracic echocardiographic windows.
- Assess volume status, biventricular functions, and cardiac output (CO) qualitatively to manage fluid resuscitation and hemodynamics by utilizing echocardiography; recognize the presence of pericardial effusions including tamponade physiology.
- Apply, perform and interpret simple hemodynamic calculations including fractional shortening (FS); ejection fraction (EF); Tricuspid Annular Plane Systolic Excursion (TAPSE), LVOT VTI.
- Apply and perform a focused assessed sonography exam for trauma (FAST) to identify the spleno-renal recess; the hepato-renal recess and the retro-vesicular pouch, to rule out the presence of intra-peritoneal fluid or blood.
- To scan chest for normal lung characteristics, and apply and perform point of care gastric ultrasound for aspiration risk prediction.
- Have knowledge regarding the echocardiographic approach in diagnosing congenital heart disease

WHO SHOULD ATTEND:

Participants attending the basic echocardiography course are physician-based with a specialty in Anesthesiology, critical care medicine, emergency medicine, paediatric cardiology, paediatric intensive care, surgery, trauma, and prehospital care. No prior experience with point of care ultrasound is required.

ACCREDITATION:

Accredited by Society of Transesophageal Echocardiography

TRAINING VALUE:

Punjab Medical Council CME points

The course is designed to meet one or more of the following competencies:

Patient Care, Medical Knowledge, Practice-Based Learning and Improvement

REGISTRATION:

Space limited to 42 candidates, first come first service

PG/PD Students: Rs 1700/-

Others: Rs 2500/-

On spot: Rs 3500/-

PROGRAM HIGHLIGHTS

SATURDAY, OCTOBER 14, 2023

1-5 PM:

Sequential segmental examination in Congenital Heart Disease

Live demonstration of transthoracic echocardiographic imaging of congenital heart disease

SUNDAY, OCTOBER 15, 2023

9 AM -5 PM:

Image optimisation and knobology; Parasternal long and short axis views; Apical views; Subcostal and Suprasternal views; Hemodynamic calculations; Volume status; Volume responsiveness; VExUS score; Lung, gastric and FAST scan- **EACH FOLLOWED BY HANDS ON PRACTICE (Duration of hands on: 5 hrs)**

FACULTIES

- Prof. Manojkumar Rohit. Cardiology, PGIMER, Chandigarh
- Prof. Bhupesh Kumar. Anaesthesia & Intensive Care, PGIMER, Chandigarh
- Prof. Saurabh Gupta. Cardiology, AIIMS, New Delhi
- Prof. Neeti Makhija. Cardiac Anaesthesia & Intensive Care, AIIMS, New Delhi
- Prof. Sambhunath Das. Cardiac Anaesthesia & Intensive Care, AIIMS, New Delhi
- Prof. Arindam Choudhury. Cardiac Anaesthesia & Intensive Care, AIIMS, New Delhi
- Prof. Banashree Mandal. Anaesthesia & Intensive Care, PGIMER, Chandigarh
- Dr Sunder Negi. Anaesthesia & Intensive Care, PGIMER, Chandigarh
- Dr Indranil Biswas. Anaesthesia & Intensive Care, PGIMER, Chandigarh
- Dr Kulbhushan Saini. Anaesthesia & Intensive Care, PGIMER, Chandigarh
- Dr Ganesh K M. Anaesthesia & Intensive Care, PGIMER, Chandigarh
- Dr Rajarajan Ganesan. Anaesthesia & Intensive Care, PGIMER, Chandigarh
- Dr K P Gourav. Anaesthesia & Intensive Care, PGIMER, Chandigarh
- Dr Ira Dhawan. Anaesthesia & Intensive Care, PGIMER, Chandigarh
- Dr Avneet Singh. Anaesthesia & Intensive Care, GMCH-32, Chandigarh

The registration amount can be sent by **Multicity cheque / DD** drawn in favour of the **Society of Transesophageal Echocardiography (STE)**, payable at Chandigarh. Online payments can be made to **STE A/C 32378418409** [SBI, Medical Institute Chandigarh/ **IFSC SBIN0001524**]. Online registrants are requested to e-mail **annualttepgimerworkshop@gmail.com** with the transaction ID after successful payment.

Office Address for Communication and Registration

Prof. Manojkumar Rohit, Prof. Bhupesh Kumar; Organizing chairpersons

Dr. Indranil Biswas; Organizing Secretary, **E-mail: annualttepgimerworkshop@gmail.com (Mobile: +917710449858)**

Prof. Vivek Lal

Director

PGIMER, Chandigarh

Prof. Naresh K Panda

Dean (Academic)

PGIMER, Chandigarh

Prof. L N Yaddanapudi

HOD

Dept. of Anaesthesia & Intensive Care,

PGIMER, Chandigarh

Prof. G D Puri

Professor, Anaesthesia

PGIMER, Chandigarh

ADVISER; Chairperson, STE

PATRONS