



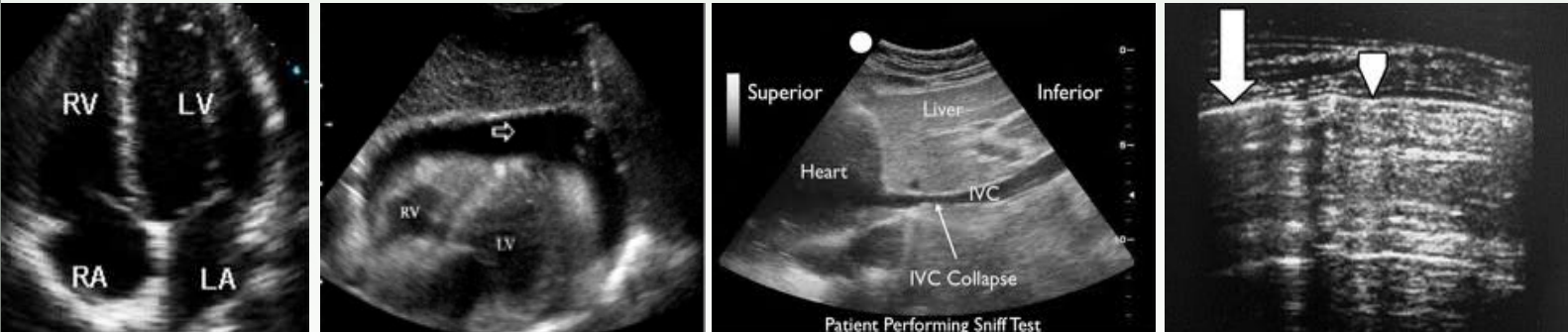
# ULTRASOUND IN CRITICAL CARE

Dept of anaesthesia, Pain and critical care, Asian Institute of Nephrology and Urology,  
PrernaAnaesthesia and Critical Care Services, Hyderabad.



**Venue:**  
**Auditorium, AINU, Hyderabad**

**Date:**  
**15<sup>th</sup> December, 2013**



## FACULTY

### **Dr. Shashikanth Manikappa**

MD, DNB, FANZA, PG Dip Echo,  
Director, Anaesthesia and Perioperative medicine,  
Monash Health, Melbourne, Australia

### **Dr. Annapurna Srirambhatla MD**

Consultant Radiologist, '  
Kamineni Hospital,  
LB Nagar, Hyderabad

### **Dr. Mahesh Joshi MD, FEM**

Chief, Dept of Emergency Medicine,  
Apollo Hospitals, Jubilee Hills, Hyderabad

### **Dr. Sunil T. Pandya MD, PDCC**

HOD, Dept of Anaesthesia, Pain and Critical care,  
Fernandez Hospital, Hyderabad

### **Dr. Siddharth Reddy DNB, FNB**

Consultant, Critical care, Care Hospital,  
Musheerabad,

### **Dr. Sachin Chidrawar MD, FCICM**

Consultant, Critical care, Care Hospital,  
Banjara Hills, Hyderabad

### **Dr. L. Nityanand MD**

Head, Dept of Anaesthesia,  
Pain and Critical care,  
AINU, Hyderabad

### **Dr. S. Prashant Reddy DA, MD, PDCC (Cardiac)**

Consultant, Dept of Anaesthesia,  
Liver transplant and SICU, AIGE, Hyderabad

### **Dr. Uday Kumar K DA, IDCCM**

Consultant,  
Dept of Anaesthesia, Pain and Critical care,  
AINU, Hyderabad

**Organized by: Prerna Anaesthesia and Critical Care Services, Hyderabad**

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**e-mail: calarc.prerna@gmail.com, www.prernaanaesthesia.com**

## OBJECTIVES

***At the end of the workshop the delegate will learn the following skills and competence:***

Understanding the basics: knobology, probes and principles of USG

Learn and acquire skills of USG guided CV and arterial cannulation, practice on blue phantom

Understand importance of USG in trauma and learn the skills of enhanced FAST and Optic nerve head

Learn the importance of Lung ultrasound and gain confidence in diagnosing pneumothorax, pleural effusion, pulmonary oedema and other lung pathologies

Learn the basic principles of transthoracic echo and IVC ultrasound (various cardiac and caval windows using dedicated echo probe / basic curvi linear probe) and gain the skills of volume optimization by measuring bedside haemodynamics and ventricular contractility

USG guided procedure planning: Pleurocentesis, thoracocentesis, ICD insertion, pericardiocentesis, DPL

## Who should attend?

***PGs, Fellows, Trainees and practicing clinicians in :***

**Anaesthesia**

**Emergency medicine**

**Critical care**

**Surgical disciplines**

Number of delegates: 40 only  
First come basis

Registration fees: Rs 500/-

## Workshop Co-ordinators

**Dr.L.Nityanand**, AINU

**Dr.S. Prashant Reddy**, AIGE

**Dr.S.Jayaprakash**, AIGE

**Dr.Rahul Sanyal**, AIGE



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## WORKSHOP SCHEDULE 15th December, 2013

0800 – 0845 Hrs	Registration Pre test	
0845 – 0855Hrs	Workshop Inauguration	Dr. C. Mallikarjuna Chairman and MD, AINU  Dr. Purna Chandra Reddy Director, AINU
0855 – 0900 Hrs	Introduction of the workshop and faculty	Dr. L. Nityanand
0900 – 0930Hrs	Handling an Ultrasound machine: Know the principles, Knobology, Probes	Dr. Annapurna Srirambhatla
0930 – 1000Hrs	Central venous and arterial access using US: understanding the radiological anatomy and techniques	Dr. Sachin Chidrawar
1000 – 1030 Hrs	Principles of eFAST and optic nerve head, US in trauma	Dr. Mahesh Joshi
1030 – 1045 Hrs	<i>COFFEE BREAK</i>	
1045 – 1115 Hrs	Understanding principles of Transthoracic echo and IVC US: Goals, Indications, limitations and practicality	Dr. Sashikanth Manikappa
1115 – 1145 Hrs	Lung Ultrasound	Dr. Annapurna Srirambhatla
1145 – 1200 Hrs	<i>Delegates split into four batches – 10 each , Small group rotation and interaction</i>	
1200 – 1245Hrs	WORK STATION - I Operating the USG machine: Image generation, acquisition, interpretation Handling and selecting the appropriate probe Lung USG: Different views, Normal lung anatomy Diagnosing & Quantifying pleural effusion, diagnosing pneumothorax and consolidation Procedure planning: Pleurocentesis, ICD insertion, Needle thoracostomy	Dr. Annapurna Srirambhatla  Dr. K. Siddhartha Reddy
1245 – 0130Hrs	<i>LUNCH</i>	
0130 – 0215 Hrs	WORK STATION – II Hands-on: CV access, image generation and interpreting radio anatomy of IJV, SCV, Radial artery (?FV and FA) Diagnosing thrombosis of major vessels planned for cannulation Practice on Blue phantom	Dr. Sachin Chidrawar  Dr. L. Nityanand
0215 – 0300Hrs	WORK STATION – III Hands-on: Transthoracic echo & IVC US, Cardiac and caval windows Measuring contractility / Dimensions, Calculating CO, fluid deficits and optimizing volume therapy Pericardial effusion and pericardiocentesis	Dr. Shashikanth Manikappa  Dr. S. Prashanth Reddy
0300 – 0345Hrs	<b>WORK STATION – IV</b> E-FAST US – Optic Nerve Head	Dr. Mahesh Joshi  Dr. K. Uday Kumar
0345 – 0415Hrs	Interactive clinical case discussion	Dr. Sunil T Pandya
0415 – 0445Hrs	Post test, Certificate, feedback and Vote of thanks, Coffee and snax	Dr. S. Prashanth Reddy



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## Registration Form

Number of Delegates: 40 only

Registration Fees: Rs. 500/-

Prof.

Dr.

Mr.

Ms.

Surname \_\_\_\_\_ Name \_\_\_\_\_

Hospital Name \_\_\_\_\_

Title / Position \_\_\_\_\_ Department \_\_\_\_\_

Correspondence Address \_\_\_\_\_

\_\_\_\_\_

City \_\_\_\_\_ Pin / Zip Code \_\_\_\_\_

Mobile No \_\_\_\_\_ Residence \_\_\_\_\_

Hospital \_\_\_\_\_ email \_\_\_\_\_

Mode of payment : **CASH ONLY**

Registration will be provided on first come first serve basis, limited seats available, so hurryup!

**Money once deposited will not be refunded back in case of cancellation of registration**

Registration fees should be sent to:

**Calar C** ,  
2B / 202, 4-1-1233,  
Subhodaya Apts, Bogulkunta,  
Abids, Hyderabad – 500001, Phone: 040-24754360, Mobile: 9848034518