ADVANCED SIMULATION TRAINING IN CRITICAL CARE (ASTriCC)

8th & 9th January 2018

LMMF's Deenanath Mangeshkar Hospital & Research Center
Department of Critical Care Medicine
Endorsed by Indian Society of Critical Care Medicine (ISCCM), Pune Branch

Deenanath Mangeshkar hospital, Pune invites you to a 2 day workshop aimed at enhancing the training of Critical Care students using the Advanced ICU Simulator. Interactive Sessions covering core topics in Respiratory physiology and Hemodynamic monitoring, ultrasound, heart-lung interactions and complex ICU scenarios will give hands on experience using the simulator. Senior faculty members from St John's Medical college & Hospital, Bangalore, will conduct this course. Training to become future instructors will be given.

' We hope to see you for the workshop ! '

Dr. Subhal Dixit
Chairman - ISCCM, Pune

Dr. Prasad Rajhans
Chief Intensivist - DMH

Agenda

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DAY 1	8th January 2018	
08.00 am – 08.30 am	Registration	
08.30 am – 09.30 am	How does the Ventilator work?	Equations of motion | Series and parallel connection Control variables - recognizing the mode | Classification of Ventilators
09.30 am – 10.00 am	Phase Variables	Concepts underlying each phase variable Recognition and understanding of scalars
10.00 am – 10.30 am	Time Constants	Fundamentals of time constant | Derivations | Simple Equations and practical applications | Time constants in Hemodynamics
10.30 am - 10.45 am	Tea/Coffee	
10.45 am – 11.15 pm	Graphics in Volume control	Equations governing V,F,P in inspiration and expiration What determines changes in scalars | How to construct your own scalars
11.15 pm – 11. 45pm	Graphics in Pressure control	Equations governing V,F,P in inspiration and expiration What determines changes in scalars | How to construct your own scalars
11.45 pm – 1.15 pm	Stations - Basic Mechanical Ventilation	Basics which have been explained will be demonstrated |Delegates will identify scenarios to explain all principles and simulate any scenario
1.15pm – 2.00 pm	Lunch	
02.00 pm - 02.30 pm	Simulation of Asthma/COPD ventilation	Details of all concepts underlying settings | Recognition of respiratory and cardiovascular complications of therapy
02.30 pm - 03.00 pm	Simulation of ARDS Ventilation	Details of basic concepts, troubleshooting and cardiovascular complications
03.00 pm - 03.30 pm	Simulation of Autopeep and DHI	In-depth understanding of physiology and mechanisms underlying development of autopeep in various conditions
3.30 pm - 05.30 pm	Stations- Advanced Mechanical Ventilation	3 stations - Asthma/ COPD, ARDS and Autopeep/DHI

DAY 2	9th January 2018	
08.30 am – 09.00 am	Arterial Waveform	The physiological determinants of each part of the arterial waveform in health and disease. LV arterial coupling and impedance
09.00 am – 09.30 am	Heart lung interactions - PPV/SPV	Physiological details of heart-lung interaction
09.30 am – 10.00 am	Integration of simulation, ultrasound and echocardiography	An unified approach at the bedside using scalars, USG, ECHO and arterial line waveforms
10.00 am – 10.30 am	Angle of attack,X Y Z planes, principles in US guided Vascular Cannulation	Step by step approach using longitudinal and transverse realtime ultrasonic cannulation
10.30 am - 10.45 am	Tea/Coffee	
10.45 am – 01.00 pm	Stations - Hemodynamics	4 stations | 1. PPV/SPV | 2. Septic Shock 3. Cardiogenic Shock | 4. Phantom - USG guided lines -Role of balanced salt Solutions and Haemodynamic Monitoring
01.00 pm – 1. 45pm	Lunch	
01.45 pm - 03.00 pm	Complex Cardiopulmonary Simulation station	The delegates are asked to manage a complex scenario on the simulator where all principles of past two days have to be applied
03.00 pm – 05.30pm	Construction and testing of a complex scenario for Simulation	Students will design and challenge each other as teams

Fees : ISCCM member : Rs. 4000 /-

ISCCM non-member : Rs. 5000/-

Applied for MMC points

Link For online registrations : www.dmhemcrit.com

" Limited Registrations - 30 Seats Only "

Mr. Jaideep Girigosavi - ICU Office, 4th Floor - Super Speciality Building

Jaee Thattey - Simulation Center -14th Floor - Super Speciality Building

Department Contact : 020 - 4915 4402 | Email id - pgedu@dmhospital.org

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