

SIMVENT 2018

SIXTEENTH SIMULATOR BASED COURSE ON MECHANICAL VENTILATION



at

The Auditorium, Royal Care Super Speciality Hospital,
No. 1/520, L&T Road, Neelambur, Coimbatore - 641 062.
26th - 27th October, 2018

Organised by
The Dept of Critical Care Medicine,
Royal Care Super Speciality Hospital, Coimbatore & Healthcare Training Asia



DAY 1 (OCTOBER 26TH, 2018)

8:30 AM	Registration and Pre Test	
9:00 AM- 9:45 AM	Basic Physiology of Respiration: WOB, PTP, $P_{0.1}$, $D(A-a)O_2$, Resistance, Compliance, Pulmonary pressures	Dr. P. Vivekananthan
9:45 AM – 10:45 AM	Simulation in respiratory physiology: • Airway pressures, Resistance, Cst, Vd/Vt and Shunt effect, Pmus and Insp Time, WOB, $P_{0.1}$ and PTP with changes in ABG	Dr Samir/Dr Milind
10:45 AM – 11:15 AM	TEA	
11:15 AM – 12:00 NOON	Basic Physiology of Ventilation: Time constants, Driving pressure, Ventilatory modes, phase variables	Dr. T A Senthilnathan
12:00 NOON – 12:45 PM	Scalars and loops: PCV, VCV, PSV and different scenarios	Dr M N Sivakumar
12:45 PM – 1: 45 PM	LUNCH	
1:45 PM - 3:45 PM	Simulation: Normal Ventilation/ Neurological diseases: • Scalars: peak, plat, effects of change in compliance, airway resistance, asynchrony, patterns in VCV/PCV/PSV • VCV: TV, IBW, Pplat, PIP, I:E ratios; Insp flows, Driving pressures, RR, inspiratory trigger • PCV: Delta P, Insp Time, Trigger • PSV: asynchrony, flow trigger	Dr Samir/Dr Milind

DAY 2 (OCTOBER 27TH, 2018)

9:00 AM – 9:30 AM

COPD/Asthma:

Dr Lakshmikanthcharan

- **Lecture on Ventilatory Strategy**

2:00 PM - 2:20 PM

ECMO

Dr Sandeep Dewan

9:30 AM – 11:00 AM

- **Simulation based interaction**
DHI/Auto PEEP: how to calculate,
high airway resistance with pressure cut off
Weaning problems: poor Pmus and
high resistance, problems on pressure
trigger esp with air trapping

**Dr Samir /
Dr Milind**

2:20 PM - 2:40 PM

Trouble shooting and alarms

Dr Samir Malik

- **Video Presentation:** Tachypnea with air trapping

2:40 PM onwards

Demo On Ventilators/ Advanced **All Faculty**

Modes followed by Post Test,
Town Hall Discussion

11:00 AM – 11:30 AM

TEA

11:30 AM – 12:10 PM

ARDS: Ventilatory strategy and
Advanced Modes

Dr J S K Chaitanya

12:10 PM - 1:10 PM

- **Simulation based interaction**
Recruitment, Lung Protective
ventilation, inverse ratio ventilation
- **Video Presentation:** Recruitment,
Proneing, optimal PEEP

Dr Samir/Dr Milind

1:10 PM – 2:00 PM

LUNCH

The Sixteenth edition of our **Simulation Based Mechanical Ventilation Workshop** is aimed to simplify the training on mechanical ventilation with the help of Didactic Lectures and case based individualized simulation and hands on practice.

- Fifteen such course conducted in over 10 city
- 700 medical professionals and students of Critical Care trained in this art.

Target Population:

- Practicing intensivists and physicians dealing with critical patients
- Students of Critical Care medicine
- Critical Care Nurses and Respiratory Therapists

Organising Faculty



Dr Sandeep Dewan
Fortis Memorial Research
Institute, Gurugram



Dr M. N. Sivakumar
Royal Care Super Speciality
Hospital, Coimbatore



Dr Samir Malik
Fortis Memorial Research
Institute, Gurugram



Dr Milind V Talegaonkar
Fortis Memorial Research
Institute, Gurugram

Speakers (Coimbatore)

- **Dr. P. Vivekanathan**
- **Dr. Dr Lakshmikanthcharan**
- **Dr. T A Senthilnathan**
- **Dr J S K Chaitanya**
- **Dr. M N Sivakumar**

Course Fee: 4500/- INR per delegate inclusive of taxes

Register online at: <http://healthtrainingasia.com/signup.php>

**Please find the details below for
payment of registration fee**

Union bank of India
Sector 4 branch Gurgaon
Account no. 694901010050105
IFSC UBIN0569496
For springer healthcare systems pvt ltd
(Its a current account)

Please mail or Whatsapp your transaction ID for confirmation.

For Registration Details Contact

Dr M. N. Sivakumar

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