



# PRE-CONFERENCE WORKSHOP NEONATAL VENTILATION EAST ZONE PEDICON- 2019

15<sup>TH</sup> NOVEMBER 2019

AMRI HOSPITALS , KHANDAGIRI, BHUBANESWAR  
IN ASSOCIATION WITH EAST ZONE ACADEMY OF PEDIATRICS AND  
IAP ODISHA STATE BRANCH  
VENUE: LG CONFERENCE HALL, AMRI HOSPITALS



Workshop Co-ordinator

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# AGENDA

**8 am- 8.30 am- Registration and Breakfast**

8.30- 9.00 am- Physiology of ventilation- **Dr. Tapas Som, DM(Neonatology)**

9.00-9.30 am- Modes of ventilation- **Dr. Asish Satapathy, DM(Neonatology)**

9.30-10.00am- How to initiate ventilation- **Dr. Ranjit Ku Joshi, MD, Fellow(Neonatology)**

10.00-10.30am- Ventilator Graphics and ABG- **Dr. Bijan Saha, DM(Neonatology)**

**10.30-10.45am- Tea break**

10.45-11.30am- Disease specific ventilation- **Dr. Tapas Som, DM(Neonatology)**

11.30- 12.15 pm- High Frequency Ventilation- **Dr. Subash Shaw, DM(Neonatology)**

**12.30- 1.45 pm- Inauguration and Lamp lighting followed by Lunch**



# 2.00- 5.00PM (4- WORK STATIONS)

## Conventional Ventilation



Sample type	Arterial	12:00 - 12:05
FO <sub>2</sub> (I)	100.0 %	
Location		
Note		
<b>Blood Gas Values</b>		
pH	6.956	[ 7.350 - 7.450 ]
pCO <sub>2</sub>	155 mmHg	[ 35.0 - 45.0 ]
pO <sub>2</sub>	35.0 mmHg	[ 75.0 - 100 ]
<b>Acid Base Status</b>		
cHCO <sub>3</sub> <sup>-</sup> (P.st) <sub>c</sub>	22.5 mmol/L	
cBaseB <sub>c</sub>	-1.5 mmol/L	[ -3.0 - 3.0 ]
<b>Electrolyte Values</b>		
cK <sup>+</sup>	5.7 mmol/L	[ 3.4 - 5.5 ]
cNa <sup>+</sup>	144 mmol/L	[ 136 - 146 ]
cCa <sup>2+</sup>	1.30 mmol/L	[ 1.15 - 1.30 ]
? cCa <sup>2+</sup> (7.4) <sub>c</sub>	mmol/L	
cCl <sup>-</sup>	107 mmol/L	[ 94 - 107 ]
<b>Metabolite Values</b>		
cGlu	10.2 mmol/L	[ 3.9 - 5.8 ]
cLac	1.2 mmol/L	[ 0.5 - 2.0 ]
<b>Oxygen Status</b>		
ctHb	81 g/L	[ 130 - 180 ]
csO <sub>2</sub>	46.0 %	[ 95.0 - 100.0 ]
p50 <sub>c</sub>	37.16 mmHg	
pO <sub>2</sub> /aA <sub>1g</sub>	6.3 %	
FMeHb	0.1 %	[ 0.0 - 1.5 ]
FCO <sub>2</sub>	1.2 %	[ 0.0 - 1.5 ]
p50 <sub>st</sub> <sub>c</sub>	22.64 mmHg	
FSHunt <sub>c</sub>	59.4 %	
FO <sub>2</sub> Hb	45.4 %	
Hct <sub>c</sub>	25.2 %	

## Nursing care of Ventilated babies



## High Frequency and X-rays



## Ventilator graphics and Blood gas



5.00- 5.15PM-

QUESTION - ANSWER SESSION

5.15 PM ONWARDS-

VELEDICTORY AND HIGH TEA

Organizing secretary

- Dr. Mrutyunjaya Dash
- Dr. Sushrut Das

Neonatal ventilation Workshop Registration will be closing at 30 participants