



# MANIPAL ADVANCED CHILDREN'S CENTRE (MACC)

Welcome you for a Workshop on

**NON-INVASIVE VENTILATION IN CHILDREN**  
LIVE (Less Invasive Ventilation Provided Effectively)

As part of

## PEDICON 2017-54<sup>TH</sup> ANNUAL CONFERENCE OF IAP

Date: 18<sup>th</sup> January, 2017

Venue: Manipal Hospitals, Old Airport Road, Bengaluru

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**Dr. Karunakara B P**  
Pedicon Organising Secretary

**Dr. Karthik Nagesh**  
MACC Chairman

**Dr. Ashwath Ram R N**  
National Coordinator  
Non Invasive Ventilation

**Dr. Shivakumar Shamarao**  
Local Coordinator  
Non Invasive Ventilation

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**For Registration Contact:**

Conference Secretariat

**PEDICON 2017**

Mobile: 99455 78601

<http://www.pedicon2017.in>




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**For Workshop Information Contact:**

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**ManipalHospitals**

LIFE'S ON 

# NIV-LIVE WORKSHOP

(Less Invasive Ventilation provided Efficiently)

“EVERY BREATH COUNTS”

## About the faculty

All our workshops are led by trained educators who are also experienced practicing paediatric intensivists. We use high-quality learning materials and innovative practical exercises to tailor content for each group. We believe that learning should be fun and we always encourage participation.

## Background

Non-invasive ventilation (NIV) is widely used in Paediatric home care, but not ordinarily used clinically with acute patients. This workshop aids in learning safe usage of NIV in acute setting as well. This workshop combines lectures on principles of NIV and clinical hands-on workshops for NIV care.

## Why attend?

Non-invasive modes of ventilation is being increasingly used in acute care settings and is becoming more common in home based setting as well. NIV is particularly challenging in children because of the size of the patient. Understanding the various options, equipments, modes of delivery, effective monitoring and analyzing failures will definitely go a long way in providing this care more effectively with less failure.

## Who should attend:

This workshop is focused at those healthcare professionals who have some knowledge, but perhaps limited experience and keen to improve their knowledge, of this treatment modality.

- Paediatricians and Neonatologists
- Paediatric Pulmonologists
- Paediatric Intensivists

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## International Faculty

### Dr. Martí Pons Odena

University Hospital,  
Sant Joan de Déu, Barcelona, Spain  
Chair of NIV in children  
for ESPINIC (Europe)

### Dr. Manu Sundaram:

University Hospital of North Midlands,  
Stoke on Trent. UK  
Coordinator for developing  
NIV in children in developing countries

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## National Faculty

### Dr. Karthik Nagesh:

Manipal Hospital, Bengaluru.  
Neonatologist and Chairman  
Manipal Advanced Children Centre

### Dr. Ashwath Ram R. N

Manipal Hospital, Bengaluru.  
Paediatric Intensivist and National  
coordinator of NIV in children, India

### Dr. Shivakumar Shamarao

Manipal Hospital, Bengaluru.  
Paediatric Intensivist and  
Local coordinator of NIV in children, India

### Dr. Ilin Kinimi

Manipal Hospital, Bengaluru.  
Paediatric Pulmonologist and  
lead for Long term ventilation

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# PEDICON PRE-CONFERENCE NIV WORKSHOP

Date: 18<sup>th</sup> January, 2017

## Programme Schedule

### 08:00 – 08:45 Registrations and Breakfast

Time	Duration	Topic	Speaker
08:45 – 09:00	15m	Introductions	Dr Karthik Nagesh
09:00 – 09:20	20m	Relevant Lung physiology and basic concepts of NIV	Dr Shivkumar
09:20 – 09:40	20m	How to begin NIV and modes. ICEMAN	Dr Manu
09:40 – 10:00	20m	Is Synchrony crucial in NIV	Dr Marti
10:00 – 10:20	20m	Analysis of failure in NIV	Dr Ashwath

### 10:20 – 10:30 Coffee Break

### 10:30 – 13:00 Practical demonstration station: Hands on equipment handling (30 mins each)

Time	Group	Topic	Speaker
10:30 – 11:00	All	HFNC and CPAP in Neonates	Dr Karthik Nagesh
11:00 – 11:30	Red	Patient connection: interface and ventilator choice	Dr Ashwath
11:30 – 12:00	Blue	NIV with Home ventilator	Dr Shivkumar
12:00 – 12:30	Green	NIV with specific NIV ventilator	Dr Manu
12:30 – 13:00	Yellow	NIV with Conventional ventilator + NIV option	Dr Marti

### 13:00 – 14:00 Lunch Break

Time	Duration	Topic	Speaker
14:00 – 14:20	20m	Role of NIV in LTV patients /CPAP in children	Drllin

### 14:20 – 17:00 Clinical scenario based simulation (Four stations of 40 minutes each)

Time	Group	Topic	Speaker
14:20 – 15:00	Red	Airway obstruction/Asthma	Dr Manu
14:20 – 15:00	Blue	Neuromuscular disorder/Scoliosis	Dr Shivkumar
15:00 – 15:40	Green	Bronchiolitis	Dr Marti
16:20 – 17:00	Yellow	ARDS....remove if need to shorten	Dr Ashwath

### 17:00-17:30 Procuring devices, equipment, materials and cost. Directly from companies

### 17:30 – 17:45 Feedback and closing remarks.