



How to ventilate non-invasively in a DGH: Chronic & Acute NIV Virtual Masterclass

Draft Programme

**King's John Price Paediatric Respiratory
Conference**
Wednesday 26th June 2024
9am - 5pm

Faculty Members:

Billie Coverly
Dr Kat Harman
Dr Kamal Patel
Emily McInnes
Jennifer Parker
Garry Rendal
Prof Marti Pons
Dr Simona Turcu
Tamsyn Hernandez

Overview:

This masterclass will give attendees the opportunity to explore the application of acute and/or chronic non-invasive ventilation in the DGH.

Morning sessions will cover management and escalation in chronic ventilation with the opportunity to apply and consolidate knowledge in the chronic clinical scenario sessions.

The afternoon sessions will cover the theory and physiology of NIV from the acute perspective, followed by clinical scenarios addressing NIV in the acutely deteriorating patient.

Target audience:

- Paediatric trainees
- Paediatric Emergency medicine trainees
- Advanced Nurse Practitioners
- Paediatric nurses
- Paediatric consultants
- Specialist nurses / CNS

Learning aims, objectives and outcomes:

- Introduction of role of acute NIV and Humidified High flow Nasal cannula (HHFNC) O₂ in the DGH, in acutely unwell patients and those requiring chronic NIV / LTV
- Discussion of applied NIV physiology
- Provide an update on different forms of acute & chronic LTV
- Provide an update on advances in HHFNC O₂ and its role in the acutely unwell child
- Provide practical skills around commencing and using NIV in the acute and chronic patients

AGENDA

09.00	Welcome and Introduction to Chronic Session <i>Billie Coverly</i>
09.05	Introduction to Chronic NIV <i>Kat Harman</i>
09.20	NIV in the Younger Patient <i>Simona Turcu</i>
09.50	NIV in the Older Patient <i>Kat Harman</i>
10.20	Stretching Break
10.30	NIV Clinical Scenarios: <ul style="list-style-type: none"> • Duchennes Muscular Dystrophy • SMA • BPD • Neonatal Meningitis <i>Simona Turcu, Tamsyn Hernandez, Kat Harman & Emily McInnes</i>
11.30	Stretching Break
11.45	Care Planning and Safety Checks <i>Emily McInnes & Jennifer Parker</i>
12.15	Stretching Break
12.30	Mask Fitting / Advantages & Disadvantages of Different Masks <i>Garry Rendal</i>
13.10	Close of Chronic Session
13.15	Welcome and Introduction to Acute Session <i>Billie Coverley</i>
13.40	Role of Acute NIV, Chronic NIV & HHFNC in the DGH <i>Kamal Patel</i>
14.10	Applied NIV in Physiology <i>Catarina</i>
14.40	Stretching Break
14.50	From Pathophysiology to Practicalities <i>Kamal Patel</i>
15.20	Mask Fitting / Advantages & Disadvantages of Different Masks <i>Garry Rendal</i>
16.00	Stretching Break
16.15	Clinical Scenarios <i>Kamal Patel & Marti Pons</i>
17.15	Masterclass Close