Neonatal Airway Training (N.A.T) Course

**Date:** 5th November 2019

**Venue**: Simulation Centre, Great Ormond Street Hospital.

* To become familiar with neonatal anatomy and physiology of the airway (CPD matrix 1A01)
* Improved understanding of neonatal pharmacology for drugs used in intubation. (1A02)
* Increase confidence with basic airway skills, equipment and adjuncts.(1C02)
* Understanding of common problems and management strategies.
* Understand neonatal conditions requiring specific airway management. (2B07, 3D00)
* Improve skills in neonatal intubation and safe monitoring of the intubated neonate. (1C02, 2A01)
* Develop effective approaches for predicting and managing the difficult airway (1B02, 1C01, 2A01,)
* Introduction to advanced airway management of difficult neonatal airways and tracheostomies (3A01)
* Practise skills gained in high fidelity simulation. (1B03, 1BO4, 1C01, 2A01, 2B07, 2D01,3D00)

Programme

08:30 – 08:45 Registration, tea & coffee

08:45 – 09:00 Welcome, aims and programme for the day (SJ) **Room 1**

Meet your mentor

09:00 – 09:30 Lecture: Neonatal anatomy & physiology (ND) **Room 1**

09:30 – 10:00 Lecture: Neonatal pharmacology: (SW) **Room 1**

Drugs for intubation & special circumstances, congenital heart disease

**10:00 – 10.15** **Coffee Break**

10:15 – 11:45 Basic Airway Skill Stations x 3

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Faculty | Room | 10:15  -  10:45 | 10:45  -  11:15 | 11:15  -  11:45 |
| **Basic Airway Skill Station 1** Technique  BMV, Neopuff&Tpiece  positioning, SMART Trainer | RP  EF | 1 |  |  |  |
| **Basic Airway Skill Station 2**:  Introduction to the Resuscitaire  Adjuncts: NP/OP  Supraglottic airways  Discussion of CDH | RG  ND  SW | 2 |  |  |  |
| **Basic Airway Skill Station 3**:  Intubation: ETT sizes, stylets, bougies and complications of use,capnography,  Review of drugs. | NA  RN  JC | 3 |  |  |  |

11:45 – 12:30 Lecture: The difficult neonatal airway: (EF) **Room 1**

Identification & management

Babies with tracheoesphageal fistula; Pre and post repair issues

**12:30 – 13:00 Lunch (provided)**

13:45 - 15:15 Difficult Airway Skill Stations x 3

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|  | Faculty | Room | 13:00  -  13:40 | 13:40  -  14:20 | 14:20  -  15:00 |
| Tracheostomy | JC  RN  EF | PEC 1 |  |  |  |
| Glidescope&Airtraq | SW  ND  HT | PEC 2 |  |  |  |
| Difficult Airway Algorithm & Equipment | RP  NA  RG | PEC 3 |  |  |  |

**15:00 - 15:15** **Coffee break**

15:30 - 17:10 Simulation Teaching Sessions x 3

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|  | Faculty | Room | 15:15  –  15:50 | 15:50  –  16:30 | 16:30  –  17.10 |
| Simulation 1: NNU | JC  EF  RN | PEC 1 |  |  |  |
| Simulation 2: A&E Resus | SW  RP  HT | PEC 2 |  |  |  |
| Simulation 3: Delivery Suite | RG  NA  ND | PEC 3 |  |  |  |

17.15 Questions & Answers. Evaluation forms & close