



# Nursing Assessment & Management Session: THE RESPIRATORY SYSTEM

This online skills study session is aimed for paediatric nursing staff around the Yorkshire and Humber region. The sessions will be run through Microsoft Teams to support evidence in Level 1 and Level 2 Critical Care skills that are set within local critical care skills passports and PICS standards.

For any further questions and place bookings via Microsoft Teams please e-mail Network Educator

Network Educator: Samantha Burns • E-mail: [samantha.burns8@nhs.net](mailto:samantha.burns8@nhs.net)

2021 Dates: July 1<sup>st</sup>, 7<sup>th</sup>, 13<sup>th</sup>, 19<sup>th</sup>, 27<sup>th</sup>, and 28<sup>th</sup>

Time	Session	Plan
09:00	Introduction and Objectives for the Day	Introductions and set a plan for the day according to the specific needs of the group
09:20	Assessment of Airway and Breathing: <ul style="list-style-type: none"> <li>Recognise specific differences between a adult &amp; child anatomy and physiology.</li> <li>Consider how these differences mean each child requires an age appropriate assessment, according to their developmental stages and norms.</li> <li>Recognition of signs of respiratory distress</li> <li>Consider differences in presenting illness features in the child with complex health needs.</li> </ul>	Group discussion of basic anatomy and physiology of the respiratory system and identify clinical differences between a adults and children. Group discussions encouraging sharing of skills and experiences with a focus on recognition and presentation of signs of respiratory distress
10:00	Blood Gases: <ul style="list-style-type: none"> <li>Basic Anatomy of gas exchange</li> <li>Identify normal blood gas parameters</li> <li>Consider how to interpret results</li> <li>Escalate findings</li> </ul>	Identify normal parameters and understand blood gases in context of the clinical picture, tools and practical work for interpreting the gas result, and when to escalate care
10:30	BREAK	
10:40	Nursing Management of Respiratory Distress: <ul style="list-style-type: none"> <li>Monitoring and Observations</li> <li>Nasopharyngeal and Oral Suction</li> <li>Escalation to supportive therapies – understanding the basic principles of high-flow oxygen and CPAP</li> <li>Use of airway adjuncts</li> <li>Preparation for intubation and tapping of an ETT</li> </ul>	Group discussions encouraging sharing of skills and experiences, with a focus on recognition of respiratory distress, identifying appropriate clinical interventions and when to escalate care.
11:30	Case Based Discussions <ul style="list-style-type: none"> <li>Evaluation of clinical interventions</li> <li>Human Factors of each case</li> <li>Further learning materials for each case discussed</li> </ul>	2 clinical cases for group discussion and evaluation to consolidate theory from the previous sessions over the day Materials for further learning and evolving practice
12:30	END	Final Questions, Feedback and Evaluation