

## On-call Respiratory Training using High Fidelity Patient Simulation

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The prospect of on-call respiratory duties and treating acutely unwell patients can be daunting for newly qualified physiotherapists and those re-entering the profession. A reason for this may be the need for quick assessment, critical decision-making, and treatment skills with little practice in emergency situations prior to being asked to undertake this role independently.

High-fidelity patient simulation can be used to mimic the clinical scenario in a safe environment, and provides an opportunity for situational learning to allow confidence to be gained prior to independent working with patients.

### Overview

The CPD day will give delegates essential training, including the assessment and treatment of acutely unwell respiratory patients, and the chance to practice using the treatment adjuncts available in this setting.

This involves a recap of the assessment of a critically unwell patient, including arterial blood gases, standard blood tests and observations, and ventilation settings. An opportunity to practice treatments such as manual hyperinflation, suction, intermittent positive pressure breathing and cough assist machines will be provided.

The High Fidelity Patient Simulation laboratory at Salford University will be used to create an on-call situation in a ward setting, to allow candidates to experience and practice their skills in a safe environment. This includes consideration of liaison and communication with the wider inter-professional team to allow good quality patient care. Opportunity to reflect on the experience, and identify further training needs will be provided and encouraged as part of post-training feedback.

### Delegates and Agenda

The On-call Respiratory Training is ideal for newly qualified physiotherapists or physiotherapists considering re-entry to on-call physiotherapy duties.

#### Pre CPD day

Blackboard package to provide the Introduction to Patient Simulation, self-test for underpinning anatomy and patho-physiology, reflection of skills from undergraduate training.

#### CPD day

**AM** – Introduction, taught sessions concerning assessment including investigations, theory of mechanical ventilation, oxygen, acute illness management

**PM** – Practical workshops of manual hyperinflation, IPPB, suction, cough assist, communication plus a 30 minute independent on-call patient simulation with an opportunity to watch and reflect on performance

### **Post CPD day**

A short reflective piece with action plan for progress to on-call practice with feedback from experienced lecturers and clinicians

### **Learning Outcomes**

Following this On-call Respiratory Training CPD day, participants will be able to:

- Complete a respiratory assessment of the acutely unwell patient
- Clinically reason an evidence-based treatment plan for an acutely unwell patient
- Discuss the use and evidence-base of treatment adjuncts for the acutely unwell patient
- Adequately communicate with the inter-professional team in an emergency situation
- Reflect on an on-call experience in the High Fidelity Patient Simulation ward and devise an action plan of learning prior to entry to on-call practice

**If you are interested in learning more about this On-call Respiratory Training or other courses available, please contact us on 0845 431 0433 or [cpd@salford.ac.uk](mailto:cpd@salford.ac.uk)**