

Participant briefing notes

Title

Physiotherapy management of an intubated and ventilated child requiring suctioning.

Summary/overview

This simulation provides you with an opportunity to perform assessment and treatment on a simulated patient with likely aspiration pneumonia. During the simulation, it is expected that you will be able to review and interpret information, identify precautions / contraindications for treatment, and interact safely and effectively with the patient, treating team and the environment. If required, you may also perform manual techniques and suctioning. The simulation will last for 25 minutes. You will be working in pairs in this simulation. One pair will be active in the simulation while the other two pairs observe from the observation room. The simulation will be repeated another two times so that each pair has an opportunity to be active in the simulation. At the end of each simulation, there will be a short debrief.

Learning objectives

By the end of this simulation, you will be able to:

1. Demonstrate safe and effective assessment of an acutely unwell child who is intubated and ventilated in a CICU including subjective and objective assessment.
2. Demonstrate safe and effective treatment of an acutely unwell child who is intubated and ventilated in a CICU including manual techniques and suctioning.
3. Demonstrate re-assessment during and after treatment; and modification of treatment as appropriate.
4. Demonstrate effective skills in communication, teamwork and role delineation.

Scenario

This simulation is set in a Children's Intensive Care Unit (CICU). The CICU registrar has paged you on an evening shift, asking you to review a 7 year old girl, Millie, who has been admitted during the afternoon with likely aspiration pneumonia. You are advised that Millie has chest x-ray (CXR) changes and thick secretions that are difficult to clear with suctioning. Millie has a background of Cerebral Palsy, seizures, reflux (has had a fundoplication & feeds via jejunostomy), scoliosis, poor swallow and global developmental delay (GDD). She has had recurrent admissions with similar presentations. Millie's parents have declined palliative care involvement when suggested in the past and she is for full CPR in the event that she deteriorates.

Your tasks

The aim is for participants to incorporate the knowledge and skills presented in the teaching session into their clinical practice. This will include manual techniques, suctioning, and an understanding of mechanical ventilation. Participants who are not actively participating in the simulation will be observing, and participating through providing feedback in the debriefing.

DISCLAIMER

Care has been taken to confirm the accuracy of the information presented and to describe generally accepted practices. However, the authors and publisher are not responsible for perceived or actual inaccuracies, omissions or interpretation of the contents of this simulation. All characters appearing in this simulation are fictitious. Any resemblance to real persons, living or dead, is purely coincidental.