

17th World Congress on

Clinical Nursing & Practice

August 29-30, 2018 | Zurich, Switzerland

Special interest lies in ventilation and is the non-invasive ventilation link nurse on PICU

Tessa Shewan

Royal Brompton Hospital, England

Background: The use of non-invasive ventilation (NIV) has increased across pediatrics over the last few years. Local data has shown almost double the amount of NIV days in PICU when compared from October 2016 to October 2017. With this in mind, it was identified that there were some errors in initiating NIV across pediatrics such as choice of ventilator, size of mask, incorrect circuits and this was causing some delays in providing respiratory support to the patients. Changes in staffing and patient demand also meant that stock was not always available when needed. This further highlighted a need to streamline our stock systems, create nursing and medical guidelines and to provide teaching to all staff.

Implementations: Firstly a multidisciplinary group was formed to create an NIV Team. Meeting once a week, this group identified areas for development and ways in which to improve NIV delivery. This has led to the creation of a medical guideline, nursing quick guides, an acute NIV study day and new stock ordering procedures. Our invasive ventilators (Draeger Evita XL) have become our acute NIV ventilators with the aim of providing support to patients who might otherwise need endotracheal intubation. The bedside education of nurses and medics is ongoing and further areas of development have been identified.

Future Plans: The overall aim is to provide timely and efficient NIV to the appropriate patients in order to prevent intubation or re-intubation and thus minimizing their stay on PICU. The NIV team will continue to meet and develop teaching and management strategies to improve NIV delivery. Retrospective and prospective data will be collected to show whether our implementations have succeeded in achieving this.

Biography

Tessa Shewan has qualified as a Registered Children's Nurse at King's College London. She has completed the New Graduate Programme on PICU at Royal Brompton Hospital and has completed a number of modules at King's College Hospital and subsequently became a Senior Staff Nurse. In February 2018, she joined the Education Team on PICU.

Notes: