
Abstract

Introduction

The Intensive Care Unit (ICU) at Somerset NHS Foundation Trust follows the FICM NEW2 ICU checklist for intubation and central venous catheter (CVC) insertion. This audit aimed to assess adherence to NEW2 ICU check list specially on post-procedure documentation.

Objectives

1. Assess compliance in ordering post intubation / post CVC insertion CXR.
2. Assess number of ETT/ CVC requiring adjustment & number (or percentage) in which adjustment was done.
3. Assess the number (or percentage) in compliance with expected documentation.

Method

A retrospective analytical audit was conducted. The most recent 92 CXRs performed after intubation or central line insertion in discharged ICU patients at Yeovil District Hospital were reviewed. Data on documentation, radiological review, and subsequent corrective actions were collected and analysed.

Results

Compliance rates were as follows:

- Documentation following intubation – 32%
- Documentation following central line insertion – 66%
- Adjustment of ETT position according to CXR – 8%
- Adjustment of CVC position according to CXR – 10%

These findings indicate significant variation and overall low compliance, particularly in documentation and corrective action based on radiographic findings.

Discussion

The audit revealed a notable gap in adherence to post-procedure protocols, especially in documentation. To address this, several actions were implemented following audit presentation at the 16 October 2025, ICU Governance Meeting:

- Displaying reminder posters at ICU doctor workstations.
- Including reminders in the daily ICU handover.
- Emphasising documentation requirements during ICU induction for new doctors.

These steps aim to reinforce awareness and promote sustainable improvement in practice.

Conclusion

This audit highlights the need for improved compliance in post-intubation and post-CVC documentation and adjustment processes. Ongoing education, visual reminders, and inclusion in routine governance activities are essential to maintain high standards of patient safety and procedural documentation.

Keywords

Endotracheal tube, Central venous catheter, Documentation, Compliance, checklist, FICM
NEW2