

Audit of Resuscitation Equipment Provision for Health Care Providers in Medical Imaging Facilities

Improving patient care: standardisation of training, equipment and assessment

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Introduction

In this rapidly shifting health care environment, collaboration with the private health care sector is occurring more frequently. Private providers should be held to the same standards as the NHS when providing services on their behalf.

This project was performed by Resuscitation Consultancy Medical Services Ltd auditing the resuscitation and emergency equipment provision of the Alliance static and mobile CT, PET and MRI scanners in the UK. It also demonstrated through the audit cycle, that standardisation of both equipment and training would improve patient safety. It further demonstrated a significant cost saving.

Standardisation of the equipment used for CPR (including defibrillators and emergency suction equipment), and the layout of equipment and drugs throughout an organisation is recommended. (RCUK,2014)

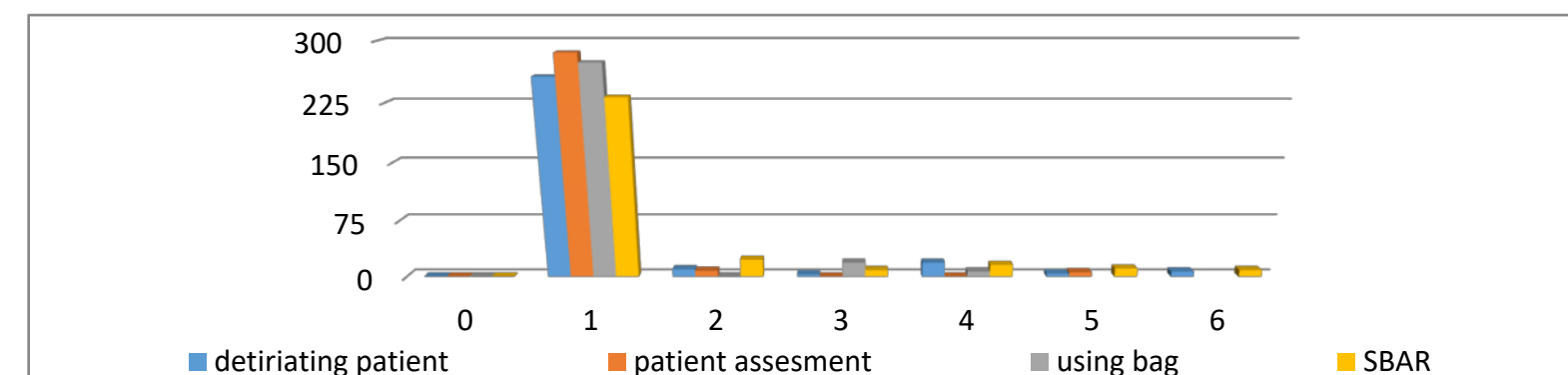
Method

Pre-course questionnaires were provided for all Alliance health care professionals enrolled on the ILS course over a period of 4 months. The same questionnaires were reissued after the annual recertification course. The data collected was then compared with current Resuscitation Council standards. Implementation of the intervention involving training with the standardised equipment, was performed on the ILS course. The bag was rolled out across the European operation after all candidates had completed the training. The scenario based simulation training used "live" versions of the grab bag.

Results

Of the 300 responders, 296 of 300 believed standardisation of resuscitation equipment would be beneficial to patient care, and 220 of the 300 responders were not familiar with the emergency equipment in the Alliance scanner.

Pre-ILS confidence on a 0-10 scale of managing four clinical scenarios with 1= not confident, to 10= completely confident



Post-ILS questionnaire: staff confidence in not only assessment and emergency treatment of patients, but also in familiarisation of the equipment and standard operating procedures has all improved.



Summary

- Audit of Alliance scanners identified non- standardised resuscitation equipment
- Pre-ILS questionnaire identified 220/300 staff unfamiliar with resuscitation equipment
- Introduction and training with standardised equipment at ILS
- Staff confidence in using standardised equipment & stepwise approach has improved patient care