

Reducing and mitigating the risk of foreign object retention in surgery, midwifery and obstetrics

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Abstract

Statement of the Problem: Retained Foreign Objects (RFO) is rare events but can be devastating for patient and practitioners alike. Research has diverged from a blame culture and acknowledges the impact that communication and collective team responsibility could have on reducing RFOs. This research designed and evaluated a pilot implementation of foreign object management in two Irish Hospitals sites, one surgical, one midwifery & obstetrics. It recommends further steps to ensure we move towards a team responsibility for proactive patient safety management of RFOs. Methodology: A multi-phase socio-technical systems approach was adopted focussing heavily on co-design, actively engaging and collaborating with clinical and other healthcare staff through each phase of research. The evaluation was multi-modal and both qualitative and quantitative in nature.

Findings: Team Communication–Communication surrounding the count must be clear. Silence for the count must be preserved (where possible) and cultural support must be in place to raise the profile and integrity of the count to a higher level.

Context: It is vitally important to obtain a rich and accurate systems picture of RFO 'how?' & 'why?' & 'when?' objects are retained needs to be understood, not just the "who?".

Education & Training: Specific training on RFO prevention should be given to all staff on a recurrent basis to promote a culture of encouragement to speak up and a culture of being listened to.

Reporting: The cultural interpretation of "near miss" in clinical settings needs to be revised. Learning from other safety critical

industries re smart data handling is prudent if effective implementation is to be achieved.

Conclusion & Significance: This research was novel in its approach to multi-modal evaluation and is significant as the research included much needed exploration of complex cultural, social and political challenges surrounding the count and RFO prevention.



Biography:

Alison Kay is an Occupational Psychologist based at the Centre for Innovative Human Systems. Her core focus is on the human aspects of safety critical systems. She has worked on human factors research projects in aviation, healthcare, the process industries, maritime industry and manufacturing. Her research has addressed decision making, competence, process modeling and resource management for training, procedure writing and accident investigation. In 2008, Alison was one of the Human Factors Integration Defense Technology Centre team awarded the UK Ergonomics Society President's Medal 'for significant contributions to original research, the development of methodology and the application of knowledge within the field of ergonomics'

Speaker Publications:

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