What is Your ASPECT?

Pre-implementation data analysis from the Acute Surgery PErioperative CollaboraTion (ASPECT) Team’s innovative model of care

49.3% of high risk acute surgical patients had one or more post-operative complication

**COMPPLICATIONS**

**High Risk Patient**

- Pulmonary: 33%
- Delirium: 21%
- Acute Kidney Injury: 14%
- Arrhythmias: 9%
- Pulmonary: 5%
- Delirium: 5%
- Acute Kidney Injury: 1%
- Arrhythmias: 1%

**Low Risk Patient**

PURPOSE: ASPECT is a novel model of care that involves co-management between surgeons, physicians, anaesthetists and the MDT of acute surgical unit (ASU) patients stratified as high risk (HR). This study represents the data collection for the pre-implementation stage of the ASPECT Quality Improvement program.

METHOD: All ASU patients admitted in a 3 month period in 2019 were included. Patients were stratified as HR or low risk (LR) based on pre-defined criteria. Data was collected via medical records and clinical information systems.

RESULTS: 291 patients were included, 137 (46.4%) were identified as HR of which, 80% underwent surgery. HR patients were significantly more likely to have a post-operative complication, increased hospital length of stay and require ‘failure to rescue’ interventions.

CONCLUSION: The HR screening criteria is simple and effective. Pulmonary and delirium complications will be key areas to focus the ASPECT care model on to improve patient outcomes during the post-implementation phase.