M·ACS

Validation Case Selection

All MACS cases submitted within a 12-month period prior to date of selection.

General sort to select cases with:

- mortality (#1)
- length of stay > 14 days and no occurrence listed (#2)

Non-selected cases after general sort

Disease specific sort to select cases with:

- Appendix:
 - Complicated appendix with no pre-op sepsis or severe sepsis (#3)
 - Fecalith present on CT but no surgery to remove appendix performed (#4)
 - Non-operative management of appendicitis, but no hospital IV antibiotics selected (#5)
 - Any case with AAST score of 5 (#6)
- Gallbladder:
 - Any gallbladder case where cholecystectomy is performed and LOS >
 10 days with no cholecystectomy specific occurrences (CBD injury, cystic duct leak, retained stone) (#7)
 - Any gallbladder case with retained stone or cystic duct leak occurrence but no secondary ERCP performed (#8)
 - Any gallbladder case with AAST score of 3, 4, or 5 (#9)
- Small Bowel:
 - \circ SBO related to adhesions, but no prior abdominal procedures performed (#10)
 - Gastrografin challenge negative and no operation for SBO (#11)
 - Gastrografin challenge positive and surgery for SBO performed (#12)
 - Operative SBO case with LOS > 20 days and no ileus occurrence recorded (#13)
- Exploratory Laparotomy:
 - Exploratory laparotomy with hypercapnic respiratory failure but no ICU admission (#14)
 - Exploratory laparotomy with days on ventilator > 1 but no ICU admission (#15)
 - Exploratory laparotomy with no antibiotics for intraabdominal sepsis given (#16)
 - O Any exploratory laparotomy case with anastomotic leak (#17)
 - Any exploratory laparotomy with no pre-op abdominal x-ray or CT recorded (#18)

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Selected cases

Exclude cases with LOS >30 days

Randomized selection of 2 from each disease specific group

Final list of 8 cases for validation