

LAPAROSCOPIC VERSUS OPEN ADHESIOLYSIS IN ADHESIVE SMALL BOWEL OBSTRUCTION: A META-ANALYSIS OF MATCHED OBSERVATIONAL STUDIES AND RANDOMIZED TRIALS

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Poster

Colorectal

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A systematic review and meta-analysis of six studies involving 1053 patients found that laparoscopic adhesiolysis for adhesive small bowel obstruction showed comparable safety to open surgery with a significantly shorter hospital stay.

KEY POINTS

- Laparoscopic and open adhesiolysis showed no significant differences in surgery duration, iatrogenic bowel injury, mortality, or overall postoperative complications in patients with adhesive small bowel obstruction
- Laparoscopic adhesiolysis was associated with a reduced postoperative hospital stay compared to open surgery (mean difference -2.40 days, 95% CI -3.26 to -1.54)
- The analysis included 1053 patients (mean age 65 years, 67% female) from six randomized controlled trials and matched observational studies
- The study population included 39% with ASA classification ≥ 3 , 21% with two or more previous abdominal surgeries, and 8% with irreversible bowel ischemia detected at surgery
- The authors conclude that laparoscopic adhesiolysis appears feasible in selected populations but note that additional robust randomized controlled trials are needed to confirm these findings

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