

Mechanical Bowel Preparation Plus Oral Antibiotics versus Oral Antibiotics Alone in Elective Right Colectomy: A NSQIP Analysis

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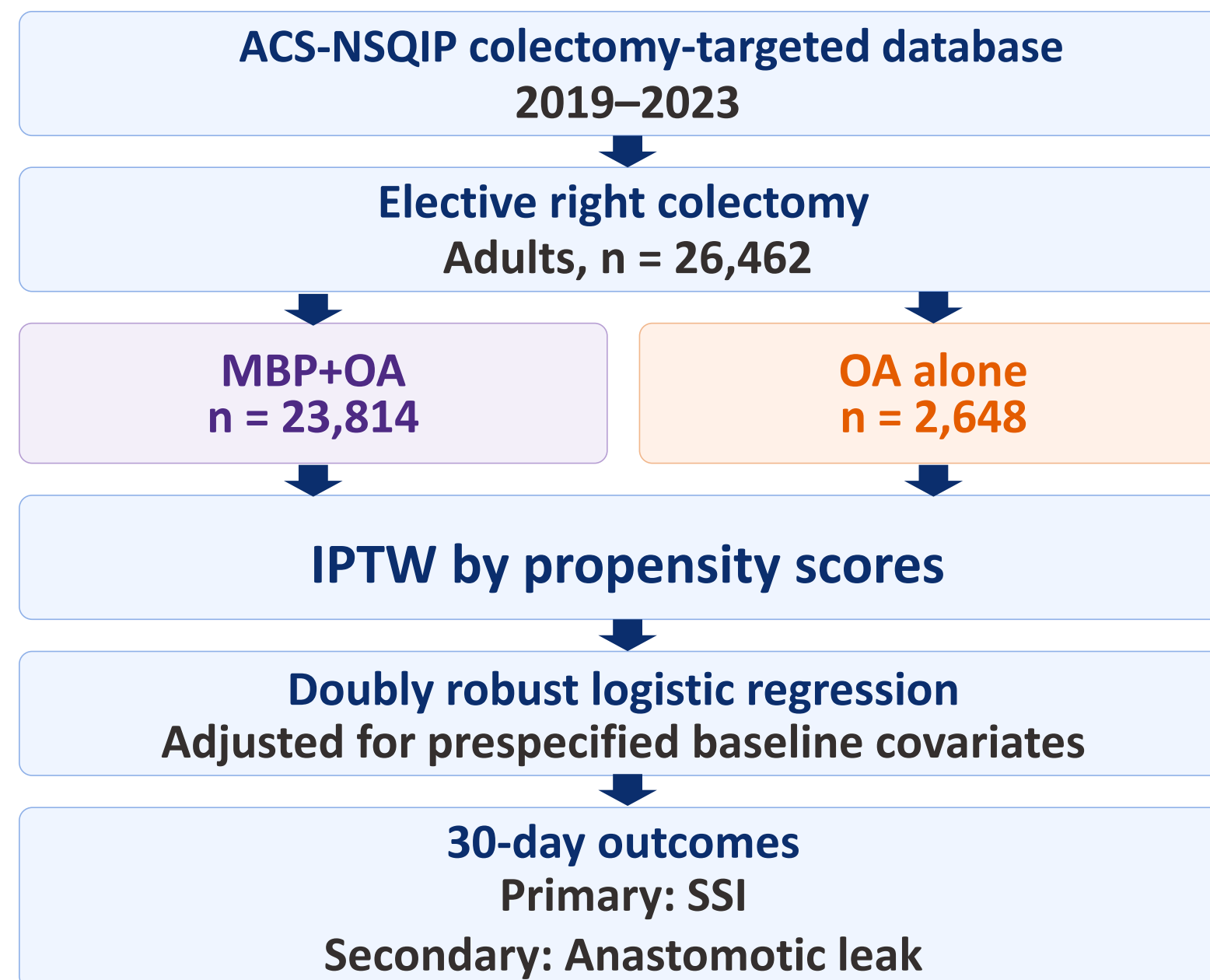
Background and Objective

- Mechanical bowel preparation plus oral antibiotics (MBP+OA) is the standard preparation strategy for colorectal resection.
- The additional benefit of MBP over OA alone remains controversial, particularly in right colectomy.

Objective

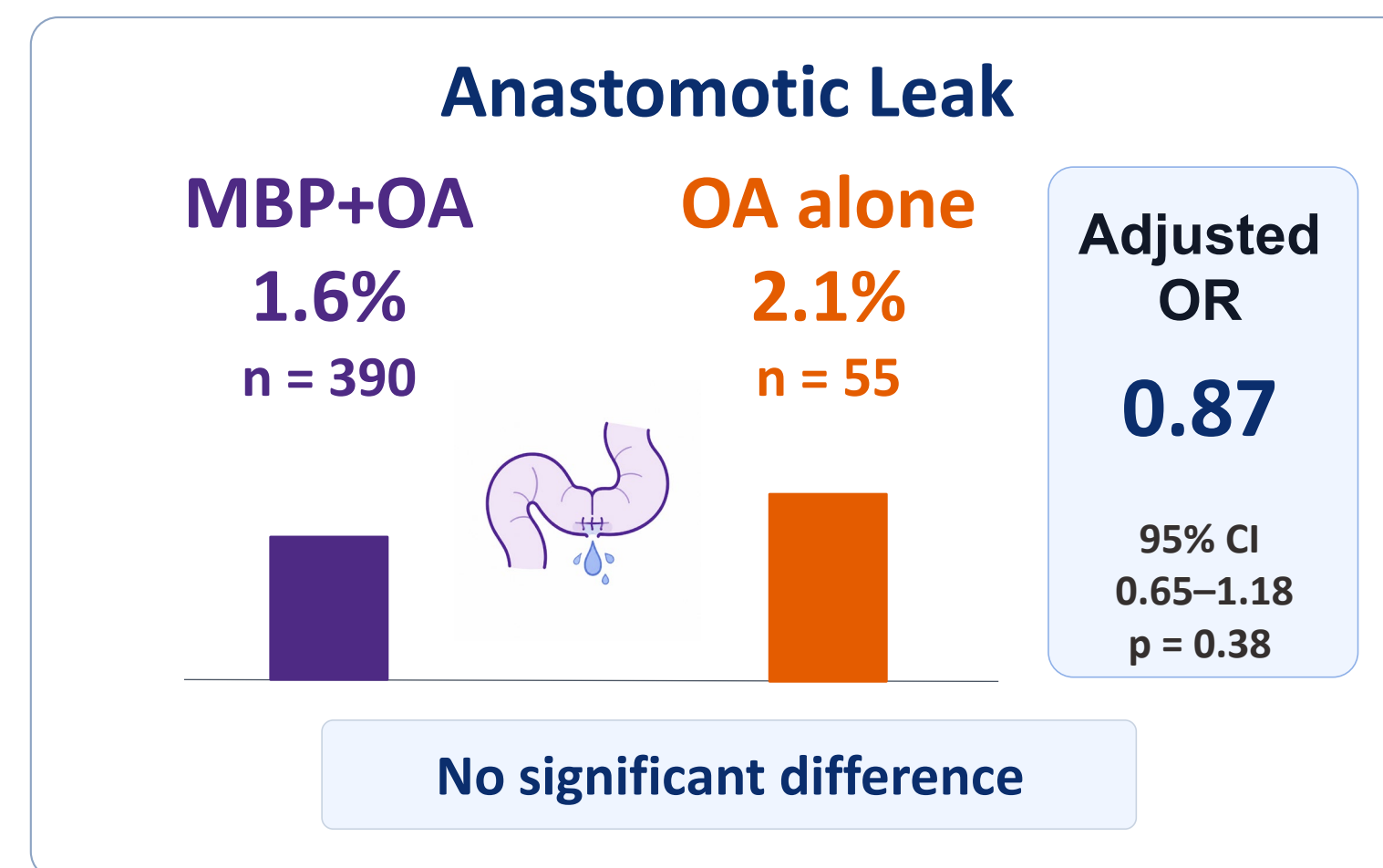
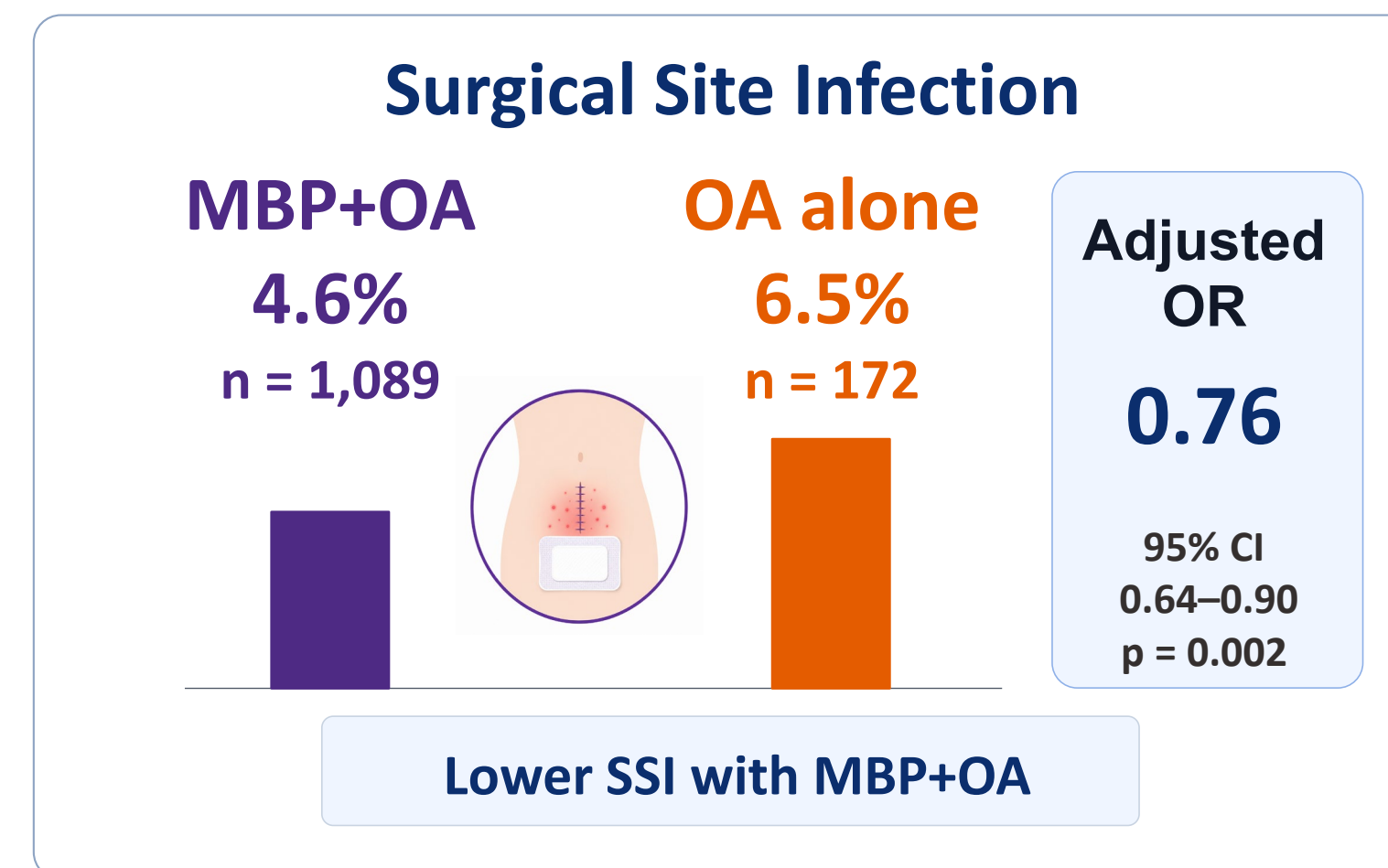
To compare 30-day surgical site infection (SSI) and anastomotic leak between MBP+OA and OA alone after elective right colectomy

Methods

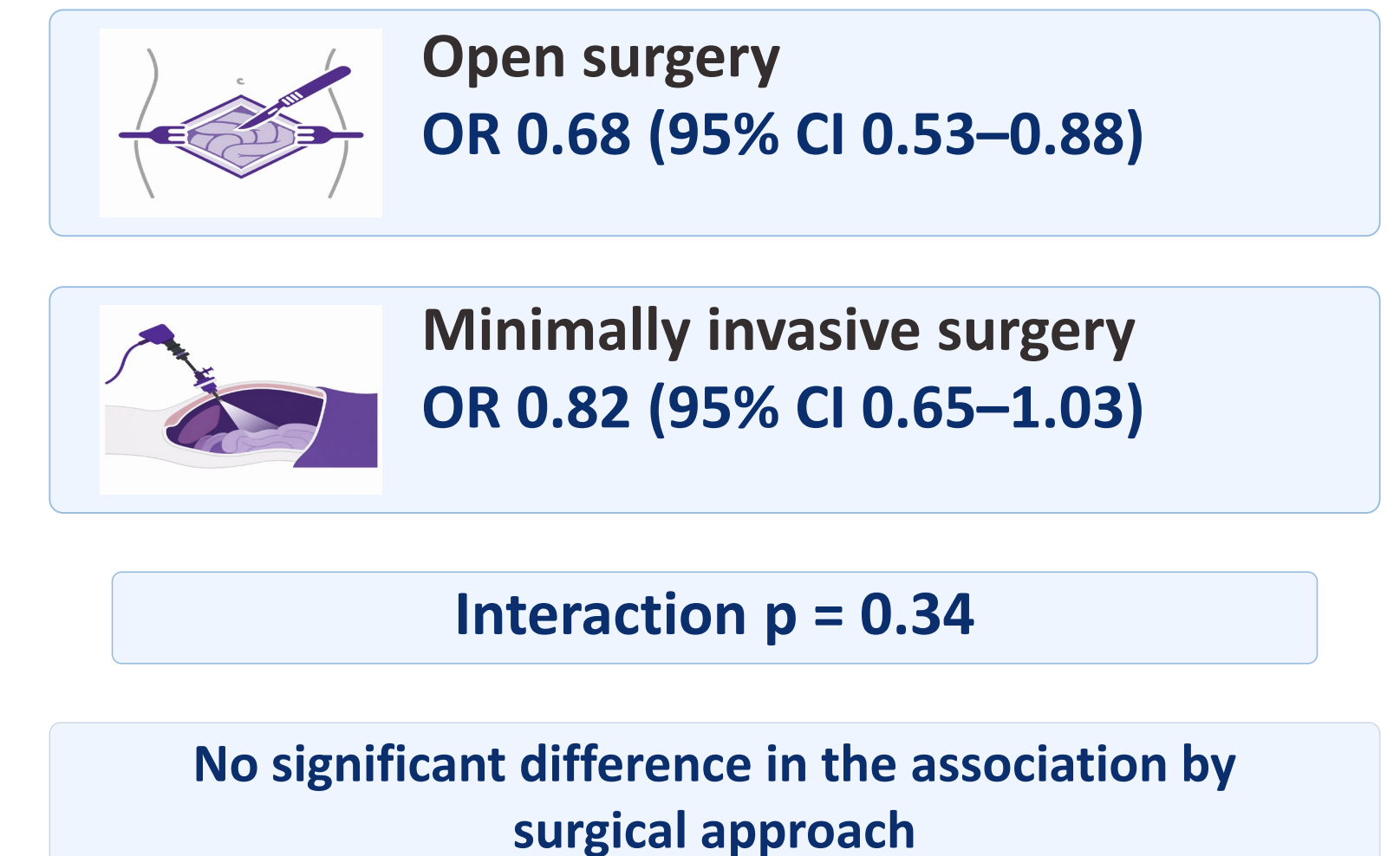


Main Results

- Baseline differences were balanced after IPTW.
- Adjusted estimates are from doubly robust IPTW-weighted logistic regression.



Subgroup Analysis



Limitations

- Residual confounding and selection bias may remain despite IPTW.
- Reasons for omitting MBP were unavailable.

Conclusions

- MBP+OA was associated with lower 30-day SSI than OA alone after elective right colectomy.
- MBP+OA was not associated with a significant difference in anastomotic leak.
- No significant interaction by surgical approach was observed for SSI.