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Summary

ENHANCING THE ADENOMA DETECTION RATE IN COLORECTAL CANCER SCREENING: ADENOMAS PER COLONOSCOPY AS A QUALITY METRIC

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Colorectal

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A single-center retrospective study of 502 screening colonoscopies found a significant positive association between Adenoma Detection Rate and Adenomas per Colonoscopy, with both metrics influenced by gender and withdrawal time but not by age, bowel preparation quality, or procedural variables.

KEY POINTS

- ADR was 41.7% and APC was 76.5%, with a statistically significant positive association between the two metrics (β=0.6, p<0.001).
- Men were 2.1 times more likely to have at least one adenoma and had a statistically significantly higher average number of adenomas per colonoscopy compared to women.
- Longer withdrawal time correlated positively with both adenoma detection and the number of adenomas per colonoscopy (r=0.5, p<0.001).
- Age, bowel preparation quality (BBPS score), colonoscopy schedule, endoscopist fatigue, and endoscopist experience showed no significant association with adenoma detection or APC.
- The authors suggest APC may serve as a complementary quality metric to ADR in colorectal cancer screening programs.

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