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Summary

INDIVIDUAL MEAN COLONOSCOPIC INSERTION TIME AS A QUALITY INDICATOR OF COLONOSCOPY

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Colorectal

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A Japanese multicentre study of 47,705 colonoscopies found that endoscopists' average caecal insertion time and withdrawal time significantly affected adenoma detection rate, while specialty, sex, and examination volume did not.

KEY POINTS

- Endoscopists with faster average caecal insertion times (<5 min) had significantly higher adenoma detection rates compared to those with longer insertion times, with odds ratios declining progressively from 0.84 for 5-9 min to 0.45 for ≥15 min insertion times.
- Longer average withdrawal times were associated with higher adenoma detection rates, with odds ratios increasing from 1.38 for 6-9 min to 1.68 for ≥15 min compared to withdrawal times <6 min.
- Endoscopist specialty, sex, and number of examinations performed did not significantly affect adenoma detection rate.
- The study merged Japan's first large-scale endoscopy database incorporating pathological data, analysing 189 endoscopists across four hospitals between 2010 and 2020.
- The findings suggest individual mean colonoscopic withdrawal and caecal insertion times can serve as quality indicators and provide benchmarks for endoscopist skill.

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