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Summary

RIGHT COLON WATER EXCHANGE INCREASED ADENOMA DETECTION COMPARED WITH AIR INSUFFLATION: A RANDOMIZED CONTROLLED TRIAL

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Limiting water exchange to the right colon during colonoscopy insertion significantly increased overall adenoma detection rate (68.4% vs 54.6%, P = 0.004) and right colon adenoma detection rate (38.8% vs 27.9%, P = 0.019) compared with air insufflation throughout.

KEY POINTS

- In this randomized controlled trial of 414 patients (207 per group), right colon water exchange from the hepatic flexure to cecum improved overall ADR by nearly 14 percentage points.
- Right colon ADR was significantly higher with right colon water exchange, with a 10.9 percentage point absolute increase.
- Right colon bowel cleanliness was significantly better with water exchange, with median ascending colon BBPS score of 3 versus 2 (P < 0.001).
- Total insertion time was longer with right colon water exchange (median 7.6 min vs 4.9 min, P < 0.001), but withdrawal time was similar (median 13.63 min vs 14.12 min, P = 0.837).
- Overall procedure duration was modestly increased by approximately 2 minutes (estimated 21.2 min vs 19.0 min).

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