

BENEFITS FROM A COMPUTER-AIDED DETECTION DEVICE IN COLONOSCOPY (ACCENDO-COLO) – AN INTERIM ANALYSIS OF AN ITALIAN MULTICENTER RANDOMIZED CLINICAL TRIAL

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Poster

Colorectal

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Interim analysis of an Italian multicenter RCT demonstrates that computer-aided detection (CADe Endo-AID) significantly increases adenoma detection rate and polyp detection metrics compared to standard colonoscopy in a non-selected population.

KEY POINTS

- In 839 patients randomized to CAdE versus standard colonoscopy, ADR was significantly higher with CAdE at 50.2% versus 41.6% ($p=0.01$), with the benefit most pronounced in patients with BBPS 6 bowel preparation (58.62% vs 34.78%, $p<0.001$).
- CAdE significantly increased polyp detection rate (67.5% vs 55.5%, $p<0.01$), polyps per colonoscopy (1.68 vs 1.34, $p<0.01$), and adenomas per colonoscopy (1.17 vs 0.86, $p<0.01$).
- Serrated detection rate, advanced adenoma detection, and detection of three or more precancerous lesions were numerically higher with CAdE but did not reach statistical significance in the overall cohort.
- This interim analysis included patients aged 40-85 undergoing screening, surveillance, or diagnostic colonoscopy, with 62 of 901 enrolled patients excluded for inadequate bowel preparation.

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