



## ENDO-AID CADe – Study

## Usefulness of a novel computer-aided detection system for colorectal neoplasia: A randomized controlled trial

## Study

This randomized controlled trial included 370 consecutive patients who were randomized 1:1 to CADe (n=185) versus standard exploration (n=185) from November 2021 to January 2022. The primary endpoint was the ADR. Advanced adenoma was defined as  $\geq$  10mm, harboring high grade dysplasia or with villous pattern. Otherwise, the adenoma was non-advanced. ADR was assessed in both groups stratified by endoscopist ADR and colon cleansing.<sup>1</sup>

## Results

In the intention-to-treat analysis the ADR was 55.1% (n=102/185) in the CADe group and 43.8% (n=81/185) in the control group (P=0.029). Nonadvanced ADRs (54.8% vs. 40.8%, P=0.01) and flat ADRs (39.4 vs. 24.8, P=0.006), polyp detection rate (67.1% vs. 51%; P=0.004) and number of adenomas per colonoscopy were significantly higher in the CADe group than in the control group (median [Percentile 25th-75th]: 1 [0-2] vs. 0 [0-1.5], respectively; p= 0.014). No significant differences were found in serrated adenoma detection rate. After stratification by endoscopist and bowel cleansing, no statistically significant differences in ADR were found.<sup>1</sup>

\* p-value of 0.004, relative percentage change, \*\* p-value of 0.01, relative percentage change, \*\*\* p-value of 0.006, relative percentage change.



PDR

As medical knowledge is constantly growing, technical modifications or changes of the product design, product specifications, accessories and service offerings may be required.



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<sup>&</sup>lt;sup>1</sup> Gimeno-García, A.Z., Negrin, D.H., Hernández, A., et al. Usefulness of a Novel Computer-Aided Detection System for Colorectal Neoplasia: A Randomized Controlled Trial. Gastrointestinal Endoscopy, October 8, 2022; doi: https://doi.org/10.1016/j.gie.2022.09.023.