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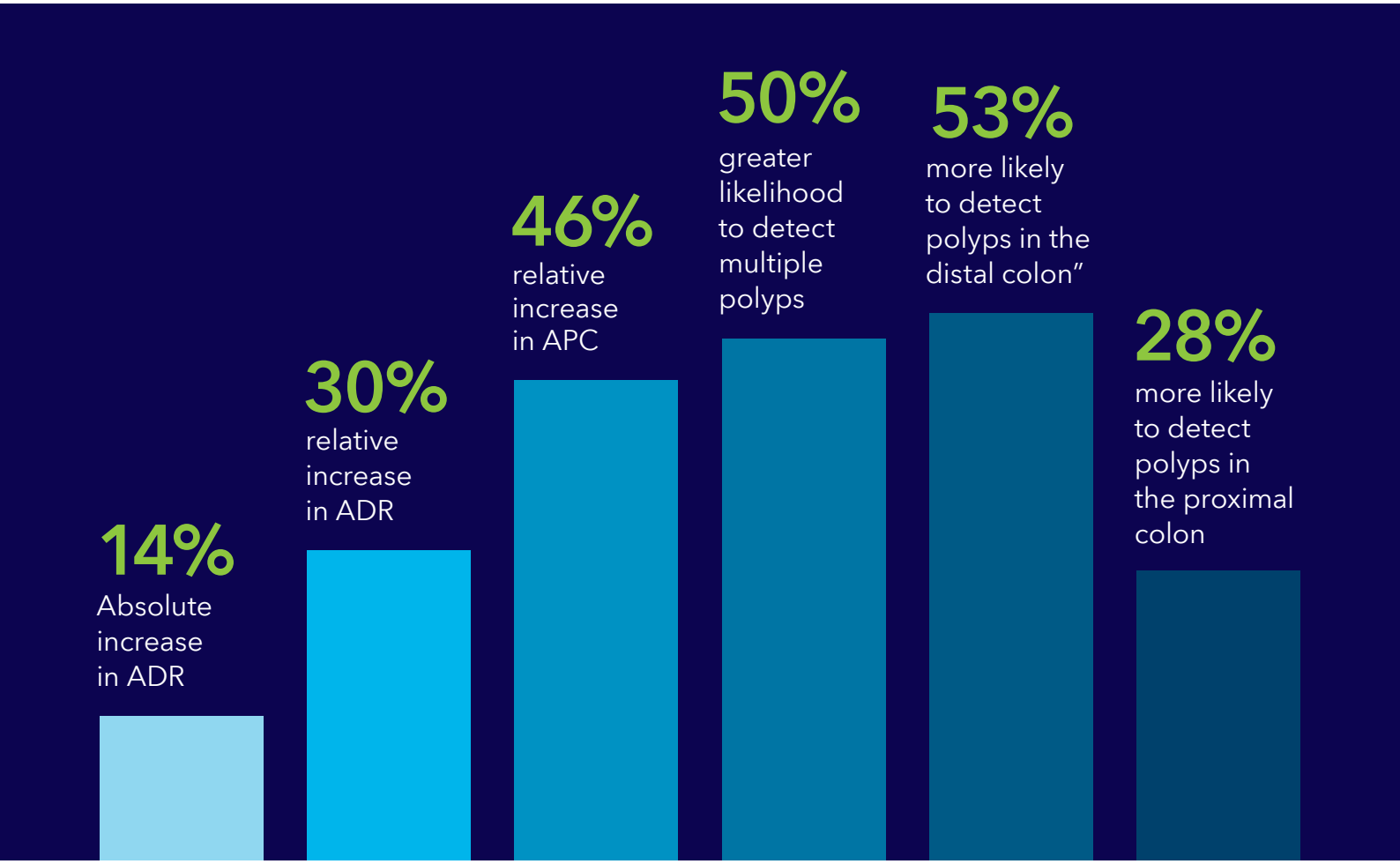
Computer-aided polyp detection increases ADR[1]



GI Genius™ Intelligent Endoscopy Module
Powered by artificial intelligence to help you detect early and treat early

Detect the undetected

The GI Genius™ intelligent endoscopy module's AI enhances your ability to detect colorectal cancer. And the difference can add up: **Each 1% increase in ADR decreases patients' risk of interval CRC by 3%.**[2]

The GI Genius™ intelligent endoscopy module includes:

- Automatic real time detection and characterization of colorectal polyps in White Light
- Compatibility with the major brands of endoscopic equipment[6]
- Detection of colorectal polyps of various shapes and sizes[7]
- Seamless integration with your existing workflow[6]
- Reducing your patients' risk of undetected polyps[5] without changing your procedure – and without changing your withdrawal time.[1]

A recently released randomized trial found computer-aided polyp detection (CADe) increases adenoma detection rates (ADR) versus high-definition (HD) colonoscopy alone. The trial, using colonoscopies performed by expert endoscopists in three Italian centers, found that CADe and HD together delivered a:

- 14% absolute increase in ADR
- 30% relative increase in ADR
- 46% relative increase APC
- 50% greater likelihood to detect multiple polyps
- 53% more likely to detect polyps in the distal colon
- 28% more likely to detect polyps in the proximal colon

And found no differences in withdrawal times, caecal intubations, and false positive rates.

Reference:

1. Repici, A., Badalamenti, M., Maselli, R., Correale, L., Radaelli, F., Rondonotti, E., ... & Anderloni, A. (2020). Efficacy of Real-Time Computer-Aided Detection of Colorectal Neoplasia in a Randomized Trial. Gastroenterology.
2. Corley DA, Jenson CD, Marks AR JR, et al. Adenoma Detection Rate and Risk of Colorectal Cancer and Death. NEJM 2014;370:1298-306
3. Clinical Evaluation Report. CB-17-08 System. LQ20052607.
4. Hassan C, Wallace MB, Sharma P, et al. New artificial intelligence system: first validation study versus experienced endoscopists for colorectal polyp detection. Gut. 2020; 69:799–800.
5. Wallace MB, Sharma P, Bhandari P, et al. Impact of Artificial Intelligence on Miss Rate of Colorectal Neoplasia, Gastroenterology, 2022, ISSN 0016-5085, https://doi.org/10.1053/j.gastro.2022.03.007.
6. V & V data on file/usability engineering file.
7. GI Genius™ instructions for use. Version 3.3.

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