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ACG 2023 Annual  
Scientific Meeting

# CADe (SKOUT®) Improves Adenoma Detection Across Almost All Endoscopic and Procedural Factors

## Research Goal

Examine endoscopist and colonoscopy procedure-level factors to determine where computer-aided detection devices (CADe) may offer the most benefit for patients and physicians.

Post-hoc analysis of multi-center randomized controlled trial

CADe (SKOUT)

VS

Standard  
Colonoscopy

## Key Results

- CADe (SKOUT) was beneficial across:
  - Academic and community centers
  - All times of day
  - Baseline ADR <45% and >45%

Guidelines for a high-quality colonoscopy, including adequate bowel prep and withdrawal time  $\geq 8$  mins, must be maintained with CADe.

FIGURE 1:  
Positive APC difference between CADe (SKOUT) and control group for most endoscopic and procedural factors

Adenoma detection rates (ADR) have been shown to decrease significantly later in the day- CADe acts as an extra set of eyes

CADe may have greater benefit among more experienced endoscopists



“Our results show that CADe helps gastroenterologists in both academic and community practices, at all times of the day, with the largest increase for physicians with more than 20 years of experience and those with ADR lower than 45%.”



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### Endoscopist and procedure-level factors associated with increased adenoma detection with the use of a computer-aided detection (CADe) device<sup>1</sup>

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