

A MULTI-CENTRE RETROSPECTIVE STUDY OF COLONOSCOPY OUTCOMES IN LOW RISK SYMPTOMATIC PATIENTS UNDERGOING FECAL IMMUNOCHEMICAL TESTING IN IRELAND

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Poster

Colorectal

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Multi-centre Irish study of 7,400 symptomatic patients evaluated FIT testing at 50ng/mL combined with nurse-led triage for colonoscopy referral, finding a 99.9% negative predictive value for colorectal cancer.

KEY POINTS

- Among 7,400 patients across sixteen Irish hospitals, 16.4% tested FIT-positive at the 50ng/mL threshold, with older age and male sex significantly associated with positive results
- In a subset of 1,815 patients with colonoscopy outcomes, FIT ≥ 50ng/mL identified CRC with 92.9% sensitivity, 80.1% specificity, and 99.9% negative predictive value
- Only 0.14% of FIT-negative patients (below 50ng/mL) had colorectal cancer at colonoscopy, compared to 6.8% of FIT-positive patients
- The authors conclude that FIT combined with nurse-led clinical triage has very good negative predictive value for serious gastrointestinal pathology in low-risk symptomatic patients
- This approach may help triage routine colonoscopy referrals in settings where demand exceeds capacity

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