

DIAGNOSTIC PERFORMANCE AND AGREEMENT OF AUDITORS FOR THE EVALUATION OF COMPUTER-AIDED OPTICAL POLYP DIAGNOSIS: A PROSPECTIVE STUDY

Daniel von Renteln

UEG Week Berlin 2025

Poster

Colorectal

October 7, 2025

Expert audit of computer-aided optical polyp diagnosis achieved high sensitivity for high-confidence adenomas, with two-expert review plus arbitration enabling complete assessment of all polyps.

KEY POINTS

- Sensitivity for high-confidence adenomas was 99.4% (95%CI 96.0–100) using three independent experts and 88.7% (95%CI 84.1–92.1) using two experts with one referee for arbitration
- Among 487 diminutive polyps audited, the two-expert-plus-arbitration strategy evaluated all 266 pathology-based adenomas, while three-expert review evaluated only 160
- Interobserver agreement was very high for high-confidence adenomas (kappa 0.89) but moderate overall (kappa 0.52)
- The study suggests that audit by two experts with a third for arbitration could effectively assess computer-aided diagnosis systems within clinical studies

VIEW THIS CONTENT ON GUTFLIX

<https://gutflix.eu/search/d/2610da4e-a815-11f0-90db-0242ac140006>



AI-generated summary

This summary was generated by an AI large language model based on the content transcript. It is for informational purposes only and should not be considered a substitute for clinical judgment. Always rely on your professional expertise and the full clinical context when making clinical decisions.