

Review: Colon capsule endoscopy accurate in polyp detection

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(HealthDay)—Colon capsule endoscopy (CCE), especially second-

generation CCE (CCE-2), has high sensitivity and specificity for detecting colorectal polyps, according to a review published in the November issue of *Clinical Gastroenterology and Hepatology*.

Cristiano Spada, M.D., Ph.D., from Fondazione Policlinico Universitario in Rome, and colleagues conducted a systematic review to examine the accuracy of CCE for detecting [colorectal polyps](#). Accuracy values were calculated for polyps, overall and for first-generation (CCE-1) and CCE-2 capsules, using data from 14 studies with 2,420 patients (1,128 for CCE-1 and 1,292 for CCE-2).

The researchers found that the sensitivity of CCE-2 and CCE-1 for detecting polyps >6 mm was 86 and 58 percent, respectively, with corresponding specificity of 88.1 and 85.7 percent. For polyps >10 mm, the sensitivity of CCE-2 and CCE-1 was 87 and 54 percent, respectively, while corresponding specificity was 95.3 and 97.4 percent. All 11 invasive cancers detected by colonoscopy were identified by CCE-2.

"The sensitivity in detection of polyps >6 mm and >10 mm increased substantially between development of first-generation and second-generation colon capsules," the authors write. "High specificity values for detection of polyps by CCE-2 seem to be achievable with a 10-mm cut-off and in a screening setting."

Several authors disclosed financial ties to medical technology companies, including Medtronic, which funded the study.

More information: [Full Text](#)

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