

Novel microendoscope ups accuracy of esophageal screening

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(HealthDay)—A novel, low-cost, high-resolution microendoscope (HRME) improves the accuracy of Lugol's chromoendoscopy (LCE) for screening and surveillance of esophageal squamous cell neoplasia, according to a study published in the August issue of *Gastroenterology*.

Marion-Anna Protano, M.D., from Mount Sinai Medical Center in New York City, and colleagues examined the accuracy of HRME as an adjunct to LCE in 147 high-risk patients, enrolled from two U.S. and two Chinese centers.

The researchers found that for LCE versus LCE + HRME, sensitivity was 96 versus 91 percent ($P = 0.0832$), specificity was 48 versus 88

percent (P

"HRME may be a cost-effective optical biopsy adjunct to LCE, potentially reducing unnecessary biopsies and facilitating real-time decision making in globally underserved regions," the authors write.

One author holds a patent related to optical diagnostic technologies that has been licensed to Remicalm; another author disclosed financial ties to Gilead Pharmaceuticals.

More information: [Abstract](#)
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