

## No chemopreventive effect seen for H2RAs in barrett's esophagus

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(HealthDay)—For patients with Barrett's esophagus (BE), proton pump

inhibitor (PPI) but not histamine-2 receptor antagonist (H2RA) use is associated with reduced risk of neoplastic progression, according to research published online Feb. 11 in the *Journal of Digestive Diseases*.

Prashanthi N. Thota, M.D., from the Cleveland Clinic, and colleagues conducted a retrospective analysis of prospectively collected data from patients in a BE registry from 2002 to 2015. The cohort included 1,466 patients with a mean age of 61 years.

The researchers found that during a median follow-up of 43.6 months, 57 of the 1,025 patients without prevalent high-grade dysplasia (HGD) or [esophageal adenocarcinoma](#) (EAC) progressed to HGD or EAC. Lower risk of neoplastic progression was seen for PPI use (62 percent in progressors versus 78 percent in non-progressors;  $P = 0.007$ ), but not H2RA use (14 percent in progressors versus 22 percent in non-progressors;  $P = 0.162$ ). There was no synergistic effect for addition of H2RA to PPI on the risk of neoplastic progression to HGD or EAC on multivariate analysis (relative risk, 0.33; 95 percent confidence interval, 0.05 to 2.29;  $P = 0.262$ ).

"H2RA do not seem to have any chemopreventive role in patients with BE," the authors write.

**More information:** [Full Text \(subscription or payment may be required\)](#)

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