

PPI use linked to increased risk of ischemic stroke, MI

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(HealthDay)—Proton pump inhibitor (PPI) use is associated with

increased risk of first-time ischemic stroke and myocardial infarction (MI), according to a study published online Oct. 12 in the *Journal of Internal Medicine*.

Thomas S.G. Sehested, M.D., from The Danish Heart Foundation, and colleagues identified all Danish individuals with no prior history of MI or [stroke](#) who had elective [upper gastrointestinal endoscopy](#) performed between 1997 and 2012. The authors examined the correlation between current PPI use/dose and the risk of first-time ischemic stroke and MI.

The researchers identified 7,916 [ischemic strokes](#) and 5,608 MIs among 214,998 individuals during a median follow-up of 5.8 years. After adjustment for age, sex, comorbidities, and concomitant medications, the rates of ischemic stroke and MI were significantly increased with current PPI exposure (hazard ratios, 1.13 and 1.31). High-dose PPI was correlated with elevated rates of ischemic stroke and MI (hazard ratios, 1.31 and 1.43, respectively). There was no significant correlation for histamine H2 receptor antagonist use with ischemic stroke or MI. Compared with non-users, long-term PPI users had 29 and 36 percent greater absolute risks of ischemic stroke and MI, respectively, within a six-month period.

"Use of PPIs was associated with increased risks of first -time ischemic stroke and MI, particularly among long -term users and at high doses," the authors write.

Several authors disclosed ties to the pharmaceutical industry.

More information: [Abstract](#)
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