

# ASN: PPIs associated with increased risk of kidney disease

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or ESRD among PPI users. Whether this association is causal requires further investigations," the authors write.

**More information:** [Abstract](#)  
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(HealthDay)—Proton pump inhibitor (PPI) users have an increased risk of chronic kidney disease (CKD) or end-stage renal disease (ESRD), according to a review presented at the annual meeting of the American Society of Nephrology, being held Oct. 31 to Nov. 5 in New Orleans.

Karn Wijarnpreecha, M.D., from Bassett Medical Center in Cooperstown, New York, and colleagues conducted a literature review to identify all studies through March 2017 that evaluated the risk of CKD or ESRD among PPI users versus non-PPI users. Five studies (three cohort studies and two case-control studies with 536,902 participants) were included in the meta-analysis.

The researchers found that PPI users had a significantly increased risk of CKD or ESRD versus non-PPI users (pooled relative risk, 1.33). Funnel plots showed no publication bias for included studies.

"This study demonstrated an increased risk of CKD

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