



Don't continue stress ulcer prophylaxis medications for ICU patients if the patient is no longer at high risk for GI bleeding complications

According to published guidelines, medications for stress ulcer prophylaxis are not recommended to be continued in ICU patients if the GI bleeding risk factors are no longer in place. Histamine-2 receptor antagonists (H2RAs) and proton-pump inhibitors (PPIs), commonly used as prophylaxis for stress ulcers, are associated with adverse drug events increased medication costs, and commonly increase the susceptibility to community-acquired pneumonia, nosocomial pneumonia and clostridium difficile infection. Adherence to therapeutic guidelines will aid health care providers in reducing treatment of patients without clinically important risk factors for gastrointestinal bleeding. Recommend health care providers to scrutinizing the need for stress ulcer prophylaxis once a patient has left the ICU setting.

Marik PE, Vasu T, Hirani A, Pachinburavan M. Stress ulcer prophylaxis in the new millennium: a systematic review and meta-analysis. Crit Care Med. 2010 Nov;38(11):2222-8. doi: 10.1097/CCM.0b013e3181f17adf. Review. PubMed PMID: 20711074.

Alhazzani W, Alenezi F, Jaeschke RZ, Moayyedi P, Cook DJ. Proton pump inhibitors versus histamine 2 receptor antagonists for stress ulcer prophylaxis in critically ill patients: a systematic review and meta-analysis. Crit Care Med. 2013;41:(3)693-705. [pubmed]

Barkun AN, Bardou M, Pham CQ, Martel M. Proton pump inhibitors vs. histamine 2 receptor antagonists for stress-related mucosal bleeding prophylaxis in critically ill patients: a meta-analysis. Am J Gastroenterol. 2012 Apr;107(4):507-20; quiz 521. PMID: 22290403.

MacLaren R. Don't stress about ulcer prophylaxis. Can J Hosp Pharm. 2019;72(6):417-418.

ASHP therapeutic guidelines on stress ulcer prophylaxis. ASHP commission on therapeutics and approved by the ashp board of directors on november 14, 1998. Am J Health Syst Pharm. 1999;56(4):347-379.

Don't Prescribe Medications for Stress Ulcer Prophylaxis to Medical Inpatients Unless at High Risk for Gastrointestinal Complications. https://www.aafp.org/pubs/afp/collections/choosing-wisely/22.html. Accessed 7 June 2022.