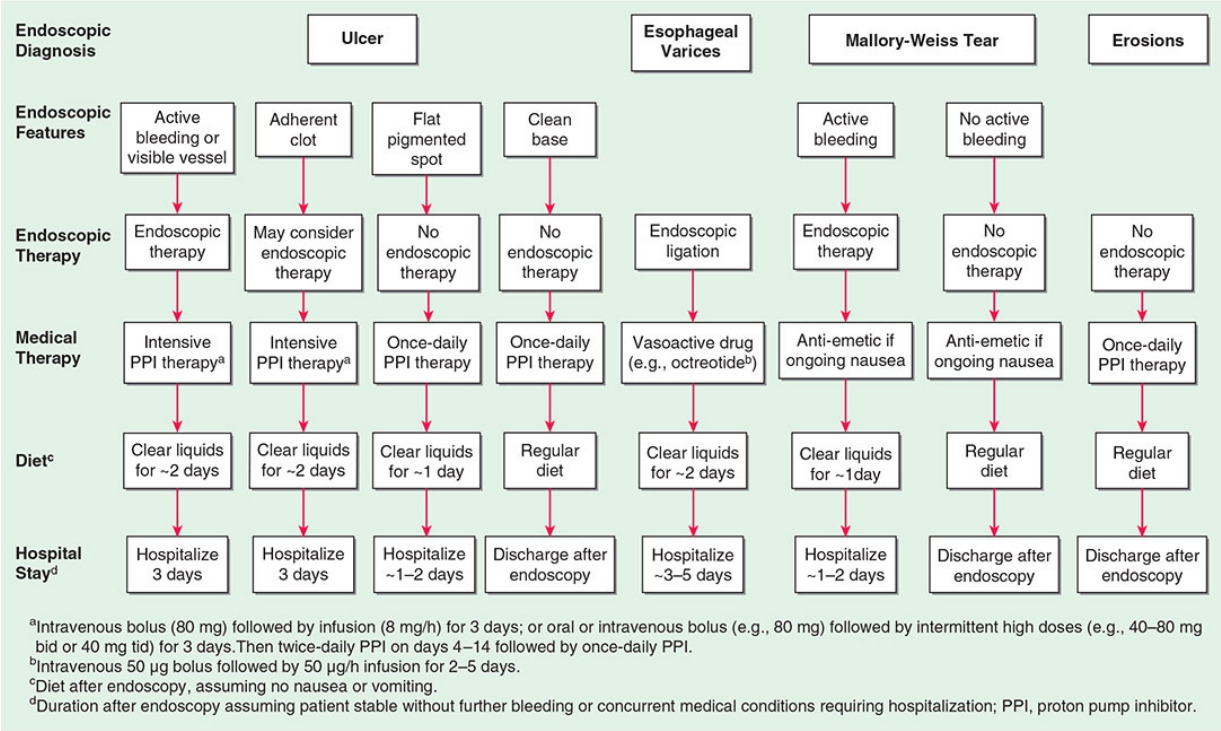
with reductions in bleeding, hospital stay, mortality, and costs. In contrast, patients with clean-based ulcers have rates of serious recurrent bleeding approaching zero. If stable with no other reason for hospitalization, such patients may be discharged home after endoscopy.



[a]Intravenous bolus (80 mg) followed by infusion (8 mg/h) for 3 days; or oral or intravenous bolus (e.g., 80 mg) followed by intermittent high doses (e.g., 40–80 mg bid or 40 mg tid) for 3 days.Then twice-daily PPI on days 4–14 followed by once-daily PPI.
[b]Intravenous 50 µg bolus followed by 50 µg/h infusion for 2–5 days.
[c]Diet after endoscopy, assuming no nausea or vomiting.
[d]Duration after endoscopy assuming patient stable without further bleeding or concurrent medical conditions requiring hospitalization; PPI, proton pump inhibitor.

FIGURE 48-1 Suggested algorithm for patients with acute upper gastrointestinal bleeding based on endoscopic findings.

Randomized controlled trials document that high-dose, constant-infusion IV proton pump inhibitor (PPI) (80-mg bolus and 8-mg/h infusion), designed to sustain intragastric pH >6 and enhance clot stability, decreases further bleeding and mortality in patients with high-risk ulcers (active bleeding, nonbleeding visible vessel, adherent clot) when given after endoscopic therapy. Meta-analysis of randomized trials indicates that high-dose intermittent PPIs are noninferior to constant-infusion PPI therapy and thus may be substituted. Patients with lower-risk findings (flat pigmented spot or clean base) do not require endoscopic therapy and receive standard doses of oral PPI.