

Because they block the absorption of other medications, they should be given separately from other medications.

Triple-drug therapy is the standard first-line treatment regimen for *H. pylori* and has demonstrated 90% effectiveness in eradication of *H. pylori* ([Ertem, 2012](#)). Examples of drug combinations used in triple therapy are (1) bismuth, clarithromycin, and metronidazole; (2) lansoprazole, amoxicillin, and clarithromycin; and (3) metronidazole, clarithromycin, and omeprazole.

Common side effects of medications include diarrhea, nausea, and vomiting. In addition to medications, children with PUD should have a nutritious diet and avoid caffeine. Warn adolescents about gastric irritation associated with alcohol use and smoking.

Children with an acute ulcer who have developed complications, such as massive hemorrhage, require emergency care. The administration of IV fluids, blood, or plasma depends on the amount of blood loss. Replacement with whole blood or packed cells may be necessary for significant loss.

Surgical intervention may be required for complications, such as hemorrhage, perforation, or gastric outlet obstruction. Ligation of the source of bleeding or closure of a perforation is performed. A vagotomy and pyloroplasty may be indicated in children with recurring ulcers despite aggressive medical treatment ([Sullivan, 2010](#)).

Prognosis

The long-term prognosis for PUD is variable. Many ulcers are successfully treated with medical therapy; however, primary duodenal peptic ulcers often recur. Complications such as GI bleeding can occur and extend into adult life. The effect of maintenance drug therapy on long-term morbidity remains to be established with further studies.

Nursing Care Management

The primary nursing goal is to promote healing of the ulcer through compliance with the medical regimen. If an analgesic/antipyretic is needed, acetaminophen, not aspirin or NSAIDs, is used. Critically ill neonates, infants, and children in intensive care units should receive H₂ blockers to prevent stress ulcers.