

Emergency General Surgery

Practice Management Guidelines: Peptic Ulcer Disease

I. Purpose: Although the overall incidence of peptic ulcer disease has been decreasing, it remains a common reason for Emergency General Surgery Consultation. This document outlines the management considerations of patients presenting with peptic ulcer disease.

II. Guideline:

A. Perforated Peptic Ulcer

- a. Initial Evaluation with concern for perforated ulcer
 - i. Labs
 - a. CBC
 - b. BMP
 - c. Lactate
 - ii. Imaging: CT Abdomen/Pelvis with IV Contrast
- b. Management
 - i. Antibiotic therapy: 4-day course following source control
 - a. Without shock
 1. First Line: Ceftriaxone/Metronidazole
 2. Severe PCN allergy: Levofloxacin/Metronidazole
 - b. Sepsis/MDR risk
 1. First Line: Piperacillin/Tazobactam
 2. Severe PCN allergy: Cefepime/Metronidazole/Vancomycin
 - ii. Emergency General Surgery Consultation/Admission
 - iii. Operative Management
 - a. Minimally invasive approach ideal if technically feasible and lesion amenable to MIS repair
 - b. Consider intraoperative endoscopy
 - iv. If retroperitoneal and/or contained collection, can consider nonoperative management if hemodynamically normal
 - v. Post-operative Management
 - a. NPO/NGT
 - b. POD 3: Drains serosanguinous: Clear liquid diet: Advance diet as tolerated
 1. No Upper GI needed unless clinical concern for leak or attending discretion based on concern for repair
 - c. H. Pylori Treatment
 1. Intraoperative Biopsy or Stool Antigen
 2. H. Pylori Positive: Quadruple Therapy-Bismuth, Flagyl, Tetracycline, Protonix X 14 days

B. Bleeding Peptic Ulcer

- a. Initial Evaluation with Concern for Bleeding Ulcer
 - i. Labs
 - a. CBC
 - b. BMP
 - c. Coagulation Studies
 - d. Type/Screen
 - b. Management
 - i. Medicine Admission with GI Consultation
 - a. GI Endoscopy for evaluation of bleeding; If re-bleeds repeat scope
 - b. Interventional Radiology for angiography/embolization
 - ii. Consider surgical management if persistent hemodynamic instability without endoscopic/angiographic control

III. References

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