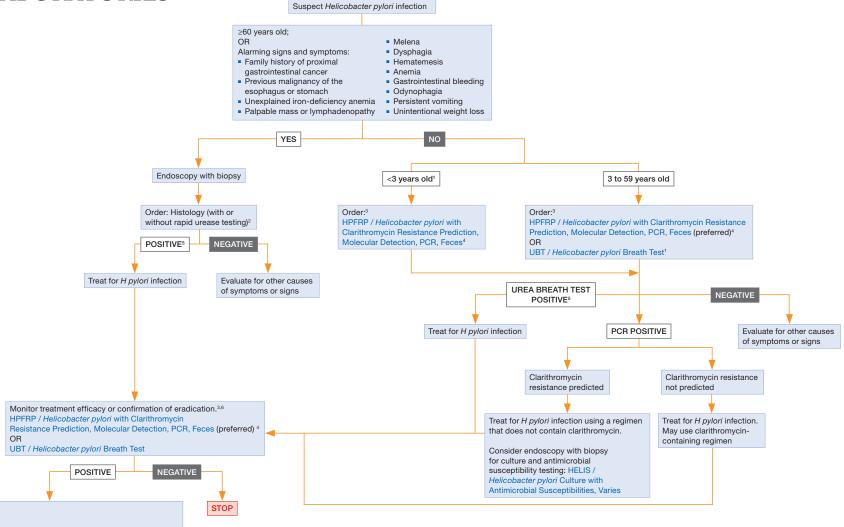


Helicobacter pylori Diagnostic Algorithm



- Consider:
- Repeat treatment
- Repeat endoscopy
- HELIS / Helicobacter pylori Culture with Antimicrobial

Susceptibilities, Varies for culture from GI biopsy and antimicrobial susceptibility testing of isolated organism OR submit isolated organism for ZMMLS / Antimicrobial Susceptibility, Aerobic Bacteria, MIC, Varies

- Mayo Clinic Laboratories utilizes the Meridian BreathID® qualitative spectrophotometry for analysis; with the Breath Test Kit, IDkit Hp™
 Two. This system is indicated for use in adult patients and pediatric patients ages 3-17 years old. Safety and effectiveness has not been assessed in children below the age of 3 years.
- 2. Consider HELIS / Helicobacter pylori Culture with Antimicrobial Susceptibilities, Varies.
- 3. Proton pump inhibitors and bismuth compounds should be avoided for 2 weeks prior to testing; antibiotics should be avoided for 4 weeks prior to testing.
- 4. HPFRP / Helicobacter pylori with Clarithromycin Resistance Prediction, Molecular Detection, PCR, Feces has equivalent accuracy to fecal antigen testing for H pylori detection and predicts clarithromycin susceptibility or resistance in H pylori if detected. Although, fecal antigen testing is available elsewhere, Mayo Clinic providers prefer and recommend the use of molecular testing for the detection of H pylori.
- 5. Consider HPFRP / Helicobacter pylori with Clarithromycin Resistance Prediction, Molecular Detection, PCR, Feces to assess for clarithromycin susceptibility if HELIS / Helicobacter pylori Culture with Antimicrobial Susceptibilities. Varies is not done.
- 6. Testing should be performed at least 4 weeks after completion of antibiotic therapy and after PPI therapy has been withheld for 2 weeks.