

H. pylori Treatment – First Line Regimens 2025

- Bismuth-based Quadruple Therapy (PPI + Bismuth + Tetracycline + Metronidazole) – **Preferred regimen** in *treatment-naïve patients*.
 - PPI (**standard** dose) BID – Standard doses:
 - Omeprazole 20 mg
 - Esomeprazole 20 mg
 - Lansoprazole 30 mg
 - Pantoprazole 40 mg
 - Rabeprazole 20 mg
 - Bismuth subsalicylate (262 mg) 2 tablets QID
 - Tetracycline 500 mg QID (*Tetracycline rather than Doxycycline must be used*)
 - Metronidazole 500 mg QID
 - Given for 14 days.
 - Also packaged as combination pill *Pylera* – 3 capsules QID x 10 days.
- Rifabutin Triple Therapy (PPI + Amoxicillin + Rifabutin)
 - PPI (**high** dose) TID – Standard doses:
 - Omeprazole 40 mg
 - Esomeprazole 40 mg
 - Lansoprazole 60 mg
 - Pantoprazole 80 mg
 - Rabeprazole 40 mg
 - Amoxicillin 1 g TID
 - Rifabutin 150 mg BID
 - Given for 14 days.
 - Also packaged as combination pill *Talicia* – 4 capsules TID x 14 days.
- Vonoprazan Dual Therapy (Vonoprazan + Amoxicillin) – Provides > 90% H. pylori eradication.
 - Vonoprazan 20 mg BID
 - Amoxicillin 1 gm TID
 - Given for 14 days.
 - Can prescribe as *Voquezna Dual Pak* (Dispense 14 blister packs).
- PPI-based quadruple therapy (PPI-based triple therapy **plus Ciprofloxacin**) – This is another regimen which works well with > 90% H. pylori eradication. PPI-based triple therapy alone should no longer be used due to high clarithromycin resistance.
 - PPI (**standard** dose) BID – Standard doses:
 - Omeprazole 20 mg
 - Esomeprazole 20 mg
 - Lansoprazole 30 mg
 - Pantoprazole 40 mg
 - Rabeprazole 20 mg
 - Amoxicillin 1 g BID
 - Clarithromycin 500 mg BID
 - Ciprofloxacin 500 mg BID
 - Given for 14 days.
 - Can give as *Prevpac* + Ciprofloxacin

1. Chey WD et al. ACG Clinical Guideline: Treatment of Helicobacter pylori Infection. Am J Gastroenterol. 2024;119:1730-1753.
2. Mégraud F. Rates of Antimicrobial Resistance in Helicobacter pylori Isolates from Clinical Trial Patients Across the US and Europe. Am J Gastroenterol. 2023;118:269-275.
3. Qian HS, et al. Ten-Day Vonoprazan-Amoxicillin Dual Therapy. Am J Gastroenterol. 2023;118:627-634.
4. Howden CW, Graham DY. Recent Developments Pertaining to H. pylori Infection. Am J Gastroenterol. 2021;116:1-3.
5. Fallone CA, et. al. The Toronto Consensus for the Treatment of Helicobacter pylori Infection in Adults. Gastroenterology 2016;151:51-69.