

Antimicrobial Stewardship Program Approved Nov 2016; Updated February 16, 2022

REFERENCES: 1. McMahon et al, *Epidemiol Infect.* 2016 Jan;144(2):225-33. 2. Koletzko et al, *JPGN.* 2011 Aug: 53(2):230-244.3. Mahadevan U et al, *Gastroenterology.* 2006;131(1):283. 4. Goldberg D et al, *Obstet Gynecol.*2007;110(3):695. 5. Mosites et. al. J of Global Antimicrobial Resistance. 2018;15:148-1536. Fallone et al, *Gastroenterology* 2016 Jul:151(51-69. 7. Cardaropoli et al, *World J Gastroenterol* 2014; 20(3):654-664. 8. Bruce et al, *Epidemiol. Infect.* (2015), 143, 1236–1246. 9. Carothers JJ et al, *Clin Infect Dis.* 2007 Jan 15;44(2):e5-8.

ANMC Helicobacter pylori Adult Treatment Guideline CONSIDERATIONS

Gastric Cancer Family History		Pregnancy & Lactation ^{3,4,7}	
As of 2019, gastric cancer screening (H. pylori testing and EGD) is being offered to patients with first degree relatives (mother, father, sibling, son/daughter) with gastric cancer. Treatment and test of cure is recommended for positive <i>H. pylori</i> tests in these patients.		 Delay treatment until after pregnancy 	
		Do not use in PREGNANCY: bismuth and tetracycline Do not use with LACTATION: bismuth and levofloxacin Use with caution with LACTATION: metronidazole and tetracycline	
Symptomatic Relief Medications		Eradication Testing ⁸	
Adults		≥ 2 months after treatment completion	
 Omeprazole 20mg PO BID or 40mg PO daily 		 Urea Breath Test (UBT) for test of cure is necessary to determine eradication and need for retreatment. Patient must be off PPI ≥ 2 weeks prior to UBT. Stool antigen test can be used for test of cure as well. 10-35% of individuals will fail treatment Serologic testing is not recommended due to prolonged antibody persistence beyond date of cure and false positive results 	
Antibiotic Selection ^{1,6,9}			
		Adults	Duration
Preferred Treatment (4 drug regimen)	 Metronidazole 500mg PO QID Amoxicillin 1000mg PO BID Omeprazole 20mg PO BID Bismuth subsalicylate 524mg 		14 days
PCN allergic (4 drug regimen)	 Metronidazole 500mg PO QID Doxycycline 100mg PO BID Omeprazole 20mg PO BID Bismuth subsalicylate 524mg PO QID 		14 days
Recurrence/Failure	 Metronidazole 500mg PO QID Doxycycline 100mg PO BID Omeprazole 20mg PO BID Bismuth subsalicylate 524mg PO QID		14 days
	 Bismuth subsalicylate 524mg Amoxicillin 1000mg PO BID Levofloxacin 500mg PO Daily Omeprazole 20mg PO BID t combination of antibiotics are needed 	OR	nacy or infectio

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