

ADVERTISEMENT ELSEVIER

WebShop Elsevier's Illustration Services
Scientific, technical & medical images, charts,
and graphs created by top Elsevier illustrators

BEFORE AFTER 

Gastroenterology

AGAJournals.org |    RSS Feeds 

Login | Register | Subscribe

Articles & Issues ▾ Collections ▾ Multimedia ▾ Intl Editions ▾ DDW Abstracts CME For Authors ▾ Journal Info ▾ Resource Centers ▾ AGA ▾

All Content

Search [Advanced Search](#)

< Previous Article

Articles in Press

Next Article >

Access this article on
[ScienceDirect](#) 

To read this article in full, please review your options for gaining access at the bottom of the page.

Article in Press

The Toronto Consensus for the Treatment of *Helicobacter pylori* Infection in Adults

Carlo A. Fallone  , Naoki Chiba, Sander Veldhuyzen van Zanten, Lori Fischbach, Javier P. Gisbert, Richard H. Hunt, Nicola Jones, Craig Render, Grigorios I. Leontiadis, Paul Moayyedi, John K. Marshall

 13

DOI: <http://dx.doi.org/10.1053/j.gastro.2016.04.006>



 Article Info

Purchase this article (PDF Included)

\$30.00 USD (24 hour access)

Subscribe to this title

Abstract

Article Tools

-  [PDF \(1 MB\)](#)
-  [Email Article](#)
-  [Add to My Reading List](#)
-  [Export Citation](#)
-  [Create Citation Alert](#)
-  [Cited by in Scopus \(0\)](#)

Related Articles

Clinical Practice Guidelines for the Medical Management of Nonhospitalized Ulcerative Colitis: The Toronto Consensus
Gastroenterology, Vol. 148, Issue 5



American Gastroenterological Association Institute Technical Review on Prevention and Treatment of Hepatitis B Virus Reactivation During Immunosuppressive Drug



Abstract

Background & aims

Helicobacter pylori infection is increasingly difficult to treat. The purpose of these consensus statements is to review the literature and provide specific, updated recommendations for eradication therapy in adults.

Methods

A systematic literature search identified studies on *H. pylori* treatment. The quality of evidence and strength of recommendations were rated according to the Grading of Recommendation Assessment, Development, and Evaluation (GRADE) approach. Statements were developed through an online platform, finalized and voted on by an international working group of specialists chosen by the Canadian Association of Gastroenterology.

Results

Because of increasing failure of therapy, the consensus group strongly recommended that all *H. pylori* eradication regimens now be given for 14 days. Recommended first-line strategies include concomitant non-bismuth quadruple therapy (proton pump inhibitor, PPI + amoxicillin + metronidazole + clarithromycin, PAMC), and traditional bismuth quadruple therapy (PPI + bismuth + metronidazole + tetracycline, PBMT). PPI triple therapy (PPI + clarithromycin and either amoxicillin or metronidazole) was restricted to areas with known low clarithromycin resistance or high eradication success with these regimens. Recommended rescue therapies include PBMT and levofloxacin-containing therapy (PPI + amoxicillin + levofloxacin, PAL). Rifabutin regimens should be restricted to patients who fail at least 3 prior options.

Conclusions

Optimal treatment of *H. pylori* requires careful attention to local antibiotic resistance and eradication patterns. Quadruple therapies PAMC or PBMT should play a more prominent role in *H. pylori* eradication and all treatments should be given for 14 days.

Keywords:

[Helicobacter pylori](#), [eradication](#), [resistance](#), [proton pump inhibitor](#), [amoxicillin](#), [bismuth](#), [clarithromycin](#), [metronidazole](#), [tetracycline](#), [levofloxacin](#), [rifabutin](#)

Abbreviations:

[CAG \(Canadian Association of Gastroenterology\)](#), [CHSG \(Canadian Helicobacter Study Group\)](#), [CI \(confidence interval\)](#), [GRADE \(Grading of Recommendation Assessment, Development and Evaluation\)](#), [HR \(hazard ratio\)](#), [ITT \(intention-to-treat\)](#), [MALT \(mucosa-associated lymphoid-tissue\)](#), [NNT \(number needed to treat\)](#), [OR \(odds ratio\)](#), [PPI \(proton pump inhibitor\)](#), [P-CAB \(potassium-competitive acid blocker\)](#), [PUD \(peptic ulcer disease\)](#), [RCT \(randomized controlled trial\)](#), [RD \(risk difference\)](#), [RR \(relative risk\)](#)

To access this article, please choose from the options below

Log In

Email/Username:

Password:

Remember me

[Forgot password?](#)

Register

[Create a new account](#)

Purchase access to this article

- \$30.00 USD|[Online access for 24 hours](#)

Claim Access

If you are a current subscriber with Society Membership or an Account Number, [claim your access now](#).

Subscribe to this title

[Purchase a subscription](#) to gain access to this and all other articles in this journal.

Institutional Access

[Visit ScienceDirect](#) to see if you have access via your institution.

Therapy

Gastroenterology, Vol. 148, Issue 1

604 Omibitasvir/Paritaprevir/r, Dasabuvir, and Sofosbuvir Treatment of Patients With HCV Genotype 1-Infection Who Failed a Prior Course of DAA Therapy: The QUARTZ-I Study
Gastroenterology, Vol. 150, Issue 4

Su1476 Sorafenib Associated Survival in Treatment Naïve Versus Treatment Experienced Patients With Advanced Hepatocellular Carcinoma
Gastroenterology, Vol. 150, Issue 4

Mo1478 Salvage Resection for Recurrent or Metastatic Hepatocellular Carcinoma After Percutaneous Ablation Therapy: Old Therapy Served as New Strategy
Gastroenterology, Vol. 150, Issue 4

[View All](#)

ADVERTISEMENT

ELSEVIER

WebShop

Elsevier's Illustration Services

Scientific, technical & medical images, charts, and graphs created by top Elsevier illustrators

[Learn more ▶](#)

Grant support: This consensus was supported by the Canadian Association of Gastroenterology and the Canadian Helicobacter Study Group, with no external funding sources.

Abbreviations used in drug combinations: A: amoxicillin; B: bismuth; C: clarithromycin; L: levofloxacin; M:

metronidazole; P: proton pump inhibitor; Q: quinolone; R: rifabutin; T: tetracycline

Disclosures

NO, I do not have any industry or government relationships to report: (CR, GL, LF NC, NJ, RH)

ADVISORY BOARD: Abbvie (JG), Allergan (JG), Almirall (JG), AstraZeneca (JG), Casen Fleet (JG), Casen Recordati (JG), Chiesi (JG), Dr. Falk Pharma (JG), Faes Pharma (JG), Ferring (JG), Gebro Pharma (JG), Hospira (JG), Janssen (JG), Kern Pharma (JG), MSD (JG), Nycomed (JG), Otsuka Pharmaceutical (JG), Pfizer (JG), Shire Pharmaceuticals (JG), Takeda (JG), Vifor Pharma (JG)

CONSULTING: Abbvie (JM, SVvZ), Actavis (CF), AstraZeneca (JM), Celltrion (JM), Cubist (JM), Ferring (JM), Forest (JM), Hospira (JM), Janssen (CF, JM, SVvZ), Procter & Gamble (JM), Pendopharm (CF), Shire (JM, SVvZ), Takeda (CF, JM)

EDUCATIONAL SUPPORT: AstraZeneca (PM)

RESEARCH GRANTS/CLINICAL TRIAL FUNDING: Abbvie (JG), Allergan (JG), Almirall (JG), AstraZeneca (JG), Casen Fleet (JG), Casen Recordati (JG), Chiesi (JG), Dr. Falk Pharma (JG), Faes Pharma (JG), Ferring (JG), Gebro Pharma (JG), Hospira (JG), Janssen (JG), Kern Pharma (JG), MSD (JG), Nycomed (JG), Otsuka Pharmaceutical (JG), Pfizer (JG), Shire Pharmaceuticals (JG), Takeda (JG), Vifor Pharma (JG)

SPEAKER'S BUREAU: Abbvie (JG, JM), Allergan (JG), Almirall (JG), Aptalis (JM), AstraZeneca (JG), Casen Fleet (JG), Casen Recordati (JG), Chiesi (JG), Dr. Falk Pharma (JG), Faes Pharma (JG), Ferring (JG, JM), Forest (JM), Gebro Pharma (JG), Hospira (JG), Janssen (JG, JM), Kern Pharma (JG), MSD (JG), Nycomed (JG), Otsuka Pharmaceutical (JG), Pfizer (JG), Procter & Gamble (JM), Purdue Pharma (SVvZ), Shire (JG, JM), Takeda (JG, JM, SVvZ), Warner-Chilcott (JM), Vifor Pharma (JG)

Writing assistance

The consensus group would like to thank Pauline Lavigne and Steven Portelance (unaffiliated) who provided medical writing services supported entirely by funds from the Canadian Association of Gastroenterology and the Canadian *Helicobacter* Study Group.

© 2016 AGA Institute. Published by Elsevier Inc. All rights reserved.

< Previous Article

Articles in Press

Next Article >

Copyright © 2016 Elsevier Inc. All rights reserved. | [Privacy Policy](#) | [Terms & Conditions](#) | [About Us](#) | [Help & Contact](#)

The content on this site is intended for health professionals.

Advertisements on this site do not constitute a guarantee or endorsement by the journal, Association, or publisher of the quality or value of such product or of the claims made for it by its manufacturer.