



Caption: Ponte Vecchio old bridge, Arno river in Florence, Tuscany, Italy. Please see inside the latest Maastricht V/Florence Guidelines for management of *H pylori* infection.

An international journal of gastroenterology and hepatology

Impact Factor: 14.921

Editor

Emad El-Omar (Australia)

Deputy Editor (Hepatology)

Alexander Gerbes (Germany)

Deputy Editor (Luminal

Gastroenterology)

William Grady (USA)

Deputy Editor (Endoscopy)

Thomas Rösch (Germany)

Associate Editors

Matias Avila (Spain)

Martin Blaser (USA)

Guy Boeckxstaens (Belgium)

Patrice Cani (Belgium)

Silvio Danese (Italy)

Thomas Gress (Germany)

Arthur Kaser (UK)

Ernst Kuipers (The Netherlands)

Jake Liang (USA)

Herbert Tilg (Austria)

Fabien Zoulim (France)

Editorial Office

Gut

BMJ Journals

BMA House, Tavistock Square

London, WC1H 9JR, UK

T: +44 (0)20 7383 6394

F: +44 (0)20 7383 6668

E: info.gut@bmj.com

Twitter: @Gut_BMJ

ISSN: 0017-5749 (print)

ISSN: 1468-3288 (online)

Disclaimer: Gut is owned and published by BMJ Publishing Group Ltd, a wholly owned subsidiary of the British Medical Association and the British Society of Gastroenterology. The owners grant editorial freedom to the Editor of Gut. Gut follows guidelines on editorial independence produced by the World Association of Medical Editors and the code on good publication practice of the Committee on Publication Ethics.

Gut is intended for medical professionals and is provided without warranty, express or implied. Statements in the Journal are the responsibility of their authors and advertisers and not authors' institutions, the BMJ Publishing Group, the British Society of Gastroenterology or the BMA unless otherwise specified or determined by law. Acceptance of advertising does not imply endorsement.

To the fullest extent permitted by law, the BMJ Publishing Group shall not be liable for any loss, injury or damage resulting from the use of Gut or any information in it whether based on contract, tort or otherwise. Readers are advised to verify any information they choose to rely on.

Copyright © 2017 BMJ Publishing Group Ltd and British Society of Gastroenterology. All rights reserved; no part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise without prior permission

Gut is published by BMJ Publishing Group Ltd, typeset by Nova Techset Private Limited, Bengaluru & Chennai, India and printed in the UK on acid-free paper.

Gut (ISSN: 0017-5749) is published monthly by BMJ Publishing Group and is distributed in the USA by Air Business Ltd. Periodicals postage paid at Jamaica NY 11431 POSTMASTER: send address changes to Gut, Air Business Ltd, c/o Worldnet Shipping Inc., 156-15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, USA.

Commentaries

1 Microbiota: relevant player in thiopurine metabolism?

I Atreya, M F Neurath

3 Refined strategies for the treatment of pancreatic carcinoma: targeting myeloid cells in order to overcome T cell exhaustion

C Bauer

4 Anti-GP2 IgA: a biomarker for disease severity and/or cholangiocarcinoma in primary sclerosing cholangitis?

S Rizvi, J D Yang, G J Gores

Guidelines

6 Management of Helicobacter pylori infection—the Maastricht V/Florence Consensus Report

P Malfertheiner, F Megraud, C A O'Morain, J P Gisbert, E J Kuipers, A T Axon, F Bazzoli, A Gasbarrini, J Atherton, D Y Graham, R Hunt, P Moayyedi, T Rokkas, M Ruge, M Selgrad, S Suerbaum, K Sugano, E M El-Omar, on behalf of the European Helicobacter and Microbiota Study Group and Consensus panel

Stomach

31 hTERT promotes the invasion of gastric cancer cells by enhancing FOXO3a ubiquitination and subsequent ITGB1 upregulation

C Hu, Z Ni, B-s Li, X Yong, X Yang, J-w Zhang, D Zhang, Y Qin, M-m Jie, H Dong, S Li, F He, S-m Yang

Inflammatory bowel disease

43 Development and validation of the Nancy histological index for UC

A Marchal-Bressenot, J Salleron, C Boulagnon-Rombi, C Bastien, V Cahn, G Cadiot, M-D Diebold, S Danese, W Reinisch, S Schreiber, S Travis, L Peyrin-Broulet

50 Development and validation of a histological index for UC

M H Mosli, B G Feagan, G Zou, W J Sandborn, G D'Haens, R Khanna, L M Shackelton, C W Walker, S Nelson, M K Vandervoort, V Frisbie, M A Samaan, V Jairath, D K Driman, K Geboes, M A Valasek, R K Pai, G Y Lauwers, R Riddell, L W Siitt, B G Levesque

59 Colonic microbiota can promote rapid local improvement of murine colitis by thioguanine independently of T lymphocytes and host metabolism

I Oancea, R Movva, I Das, D A de Cárcer, V Schreiber, Y Yang, A Purdon, B Harrington, M Proctor, R Wang, Y Sheng, M Lobb, R Lourie, P Ó Cuív, J A Duley, J Begun, T H J Florin

Gut microbiota

70 Metagenomic analysis of faecal microbiome as a tool towards targeted non-invasive biomarkers for colorectal cancer

J Yu, Q Feng, S H Wong, D Zhang, Q y Liang, Y Qin, L Tang, H Zhao, J Stenvang, Y Li, X Wang, X Xu, N Chen, W K K Wu, J Al-Aama, H J Nielsen, P Külerich, B A H Jensen, T O Yau, Z Lan, H Jia, J Li, L Xiao, T Y T Lam, S C Ng, A S-L Cheng, V W-S Wong, F K L Chan, X Xu, H Yang, L Madsen, C Datz, H Tilg, J Wang, N Brünner, K Kristiansen, M Arumugam, J J-Y Sung, J Wang

79 Specific members of the predominant gut microbiota predict pouchitis following colectomy and IPAA in UC

K Machiels, J Sabino, L Vandermosten, M Joossens, I Arijs, M d Bruyn, V Eeckhaut, G V Assche, M Ferrante, J Verhaegen, K V Steen, F V Immerseel, G Huys, K Verbeke, A Wolthuis, A de B Van Overstraeten, A D'Hoore, P Rutgeerts, S Vermeire

Colon

89 High hospital research participation and improved colorectal cancer survival outcomes: a population-based study

A Downing, E J A Morris, N Corrigan, D Sebag-Montefiore, P J Finan, J D Thomas, M Chapman, R Hamilton, H Campbell, D Cameron, R Kaplan, M Parmar, R Stephens, M Seymour, W Gregory, P Selby

MORE CONTENTS ►

This article has been chosen by the Editor to be of special interest or importance and is freely available online.

This article has been made freely available online under the BMJ Journals Open Access scheme. See <http://gut.bmj.com/site/about/guidelines.xhtml#open>



Member since 2008

JM00009

This journal is a member of and subscribes to the principles of the Committee on Publication Ethics <http://publicationethics.org/>



When you have finished with this magazine please recycle it.

- 97** Clinicopathological and molecular features of sessile serrated adenomas with dysplasia or carcinoma
M Bettington, N Walker, C Rosty, I Brown, A Clouston, D McKeone, S-A Pearson, B Leggett, V Whitehall
- 107** Clinical significance of SNORA42 as an oncogene and a prognostic biomarker in colorectal cancer
Y Okugawa, Y Toiyama, S Toden, H Mitoma, T Nagasaka, K Tanaka, Y Inoue, M Kusunoki, C R Boland, A Goel
- 118** Attendance and diagnostic yield of repeated two-sample faecal immunochemical test screening for colorectal cancer
A Kapidzic, A H C van Roon, M E van Leerdam, A J van Vuuren, M van Ballegooijen, I Lansdorp-Vogelaar, W Spijker, K Izelaar, L Hol, E J Kuipers
-
- Pancreas**
- 124** Myeloid cells are required for PD-1/PD-L1 checkpoint activation and the establishment of an immunosuppressive environment in pancreatic cancer
Y Zhang, A Velez-Delgado, E Mathew, D Li, F M Mendez, K Flannagan, A D Rhim, D M Simeone, G L Beatty, M P di Magliano
-
- Hepatology**
- 137** Anti-GP2 IgA autoantibodies are associated with poor survival and cholangiocarcinoma in primary sclerosing cholangitis
S T Jendrek, D Gotthardt, T Nitzsche, L Widmann, T Korf, M A Michaels, K-H Weiss, E Liaskou, M Vesterhus, T H Karlsen, S Mindorf, P Schemmer, F Bär, B Teegen, T Schröder, M Ehlers, C M Hammers, L Komorowski, H Lehnert, K Fellermann, S Derer, J R Hov, C Sina
- 145** Janus-kinase-2 relates directly to portal hypertension and to complications in rodent and human cirrhosis
S Klein, J Rieck, J Lehmann, R Schierwagen, I G Schierwagen, L Verbeke, K Hitaitiya, F E Uschner, S Manekeller, C P Strassburg, K-U Wagner, P P Sayeski, D Wolf, W Laleman, T Sauerbruch, J Trebicka
- 157** Targeting of tumour-infiltrating macrophages via CCL2/CCR2 signalling as a therapeutic strategy against hepatocellular carcinoma
X Li, W Yao, Y Yuan, P Chen, B Li, J Li, R Chu, H Song, D Xie, X Jiang, H Wang
-
- Recent advances in basic science**
- 168** Epigenetic treatment of pancreatic cancer: is there a therapeutic perspective on the horizon?
E Hessmann, S A Johnsen, J T Siveke, V Ellenrieder
-
- Recent advances in clinical practice**
- 180** Current and upcoming pharmacotherapy for non-alcoholic fatty liver disease
Y Rotman, A J Sanyal
-
- JournalScan**
- 191** GI highlights from the literature
M H McLean
-
- PostScript**
- 194** Letters
-
- Editor's quiz: GI snapshot**
- 78** A rare cause of colonic thickening and lymphadenopathy
E L Culver, L M Wang, H Bungay, R W Chapman, J Collier