



Caption: *Helicobacter pylori* bacteria. Coloured scanning electron micrograph (SEM) of *Helicobacter pylori* bacteria (green) on a cell from the lining of the human stomach. Formerly known as *Campylobacter pyloridis*, these are Gram-negative spiral-shaped bacteria. Colonies of *H. pylori* are found in the mucus lining of the stomach. They cause gastritis, and are also the most common cause of stomach ulcers. *H. pylori* may also be a cause or co-factor for gastric cancer, as its presence increases the risk of developing stomach tumours.

Cover credit: SCIENCE PHOTO LIBRARY.

An international journal of gastroenterology and hepatology

Impact Factor: 10.614

Editor

Emad El-Omar (UK)

Deputy Editor (Hepatology)

Alexander Gerbes (Germany)

Deputy Editor (Luminal Gastroenterology)

Associate Editors

Matias Avila (Spain)

Guy Boeckxstaens (Belgium)

Laurence Egan (Ireland)

Thomas Gress (Germany)

Ernst Kuipers (The Netherlands)

Julian Panes (Spain)

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: guteditorial@bmjgroup.com

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 © 2011 BMJ Publishing Group 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 TNQ Books & Journals, Chennai, India and printed in the UK on acid-free paper from sustainable forests by Latimer Trend & Co Ltd, Plymouth, UK

Gut (ISSN 0017-5749) is published monthly by BMJ Publishing Group and distributed in the USA by Mercury International Ltd. Periodicals postage paid at Rahway, NJ. POSTMASTER: send address changes to *Gut*, Mercury International Ltd, 365 Blair Road, Avenel, NJ, 07001, USA.

Commentaries

1165 PSC: Protect and Serve with Colitis: does it help the liver to have severe ulcerative colitis?
C Rust, S Brand

1166 Benefits of bariatric surgery: an issue of microbial—host metabolism interactions?
P D Cani, N M Delzenne

1167 Hyperdynamic circulation and portal hypertension: chicken or egg?
M Rössle

Guidelines

1170 Asia-Pacific Working Group consensus on non-variceal upper gastrointestinal bleeding
J J Y Sung, F K L Chan, M Chen, J Y L Ching, K Y Ho, U Kachintorn, N Kim, J Y W Lau, J Menon, A A Rani, N Reddy, J Sollano, K Sugano, K K F Tsoi, C Y Wu, N Yeomans, N Vakil, K L Goh

Leading article

1178 Surgery for adult Crohn's disease: what is the actual risk?
G Bouguen, L Peyrin-Biroulet

Oesophagus

1182 A novel reflux inhibitor lesogaberan (AZD3355) as add-on treatment in patients with GORD with persistent reflux symptoms despite proton pump inhibitor therapy: a randomised placebo-controlled trial
G E Boeckxstaens, H Beaumont, J G Hatlebakk, D G Silberg, K Björck, M Karlsson, H Denison

Helicobacter pylori

1189 Phylogeographic origin of *Helicobacter pylori* is a determinant of gastric cancer risk
T de Sablet, M B Piazuelo, C L Shaffer, B G Schneider, M Asim, R Chaturvedi, L E Bravo, L A Sicinski, A G Delgado, R M Mera, D A Israel, J Romero-Gallo, R M Peek Jr, T L Cover, P Correa, K T Wilson

Neurogastroenterology

1196 Acute tryptophan depletion alters the effective connectivity of emotional arousal circuitry during visceral stimuli in healthy women
J S Labus, E A Mayer, J Jarcho, L A Kilpatrick, T O C Kilkens, E A T Evers, W H Backes, R-J M Brummer, M A van Nieuwenhoven

GI neoplasia

1204 β -catenin tyrosine 654 phosphorylation increases Wnt signalling and intestinal tumorigenesis
W van Veelen, N H Le, W Helvensteijn, L Blonden, M Theeuwes, E R M Bakker, P F Franken, L van Gurp, F Meijlink, M A van der Valk, E J Kuipers, R Fodde, R Smits

Bariatric surgery

1214 Metabolic surgery profoundly influences gut microbial—host metabolic cross-talk
J V Li, H Ashrafian, M Bueter, J Kinross, C Sands, C W le Roux, S R Bloom, A Darzi, T Athanasiou, J R Marchesi, J K Nicholson, E Holmes



Inflammatory bowel disease

1224 Does the severity of primary sclerosing cholangitis influence the clinical course of associated ulcerative colitis?
L Marelli, E Xirouchakis, G Kalambokis, E Cholongitas, M I Hamilton, A K Burroughs

1229 Crohn's disease-associated ATG16L1 polymorphism modulates pro-inflammatory cytokine responses selectively upon activation of NOD2
T S Plantinga, T O Crisan, M Oosting, F L van de Veerdonk, D J de Jong, D J Philpott, J W M van der Meer, S E Girardin, L A B Joosten, M G Netea

Colon

1236 The Asia-Pacific Colorectal Screening score: a validated tool that stratifies risk for colorectal advanced neoplasia in asymptomatic Asian subjects
K-G Yeoh, K-Y Ho, H-M Chiu, F Zhu, J Y L Ching, D-C Wu, T Matsuda, J-S Byeon, S-K Lee, K-L Goh, J Sollano, R Rerkinmitr, R Leong, K Tsoi, J-T Lin, J J Y Sung, for the Asia-Pacific Working Group on Colorectal Cancer

1242 The diagnostic performance of scoring systems to identify symptomatic colorectal cancer compared to current referral guidance
T Marshall, R Lancashire, D Sharp, T J Peters, K K Cheng, W Hamilton

MORE CONTENTS ▶



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



Articles carrying the Unlocked Logo are freely available online under the BMJ Journals unlocked scheme. See <http://gut.bmj.com/info/unlocked.dtl>

C O P E COMMITTEE ON PUBLICATION ETHICS

This journal is a member of and subscribes to the principles of the Committee on Publication Ethics www.publicationethics.org.uk



Pancreas

- 1249** Incidence of extrapancreatic malignancies in patients with intraductal papillary mucinous neoplasms of the pancreas

K Kawakubo, M Tada, H Isayama, N Sasahira, Y Nakai, K Yamamoto, H Kogure, T Sasaki, K Hirano, H Ijichi, K Tateishi, H Yoshida, K Koike

Hepatology

- 1254** Determinants of the hyperdynamic circulation and central hypovolaemia in cirrhosis

S Møller, L Hobolth, C Winkler, F Bendtsen, E Christensen

- 1260** Absence of hepatic stellate cell retinoid lipid droplets does not enhance hepatic fibrosis but decreases hepatic carcinogenesis

J Kluwe, N Wongsiriroj, J S Troeger, G-Y Gwak, D H Dapito, J-P Pradere, H Jiang, M Siddiqi, R Piantadosi, S M O'Byrne, W S Blaner, R F Schwabe

- 1269** Evolutionary patterns of hepatitis B virus quasispecies under different selective pressures: correlation with antiviral efficacy

F Liu, L Chen, D-M Yu, L Deng, R Chen, Y Jiang, L Chen, S-Y Huang, J-L Yu, Q-M Gong, X-X Zhang

- 1278** Resistance exercise reduces liver fat and its mediators in non-alcoholic fatty liver disease independent of weight loss



K Hallsworth, G Fattakhova, K G Hollingsworth, C Thoma, S Moore, R Taylor, C P Day, M I Trenell

Recent advances in basic science

- 1284** Interferon lambdas: the next cytokine storm



C Kelly, P Klenerman, E Barnes

Recent advances in clinical practice

- 1294** Current misunderstandings in the management of ulcerative colitis

T Ochsenkühn, G D'Haens

JournalScan

- 1300** GI highlights from the literature

PostScript

- 1302** Letters

Editor's quiz: GI snapshot

- 1177** To resect or not to resect? That is the question

M Nouredin, D E Kleiner, A M Gharib, G Bratslavsky, T Heller

- 1213** A Dutch patient presenting with a rare clinical syndrome

G Elshout, F J M F Dor, L C Verhoog, L Berk, W W Vrijland