



Cover: *Helicobacter pylori* bacteria. Coloured scanning electron micrograph of *H pylori* bacteria on the surface of the human intestine. Eye of Science/Science Photo Library.

Journal of the British Society of Gastroenterology

Impact Factor: 9.02

Editor

Professor Robin C Spiller (UK)

Deputy Editor

Magnus Simrén (Sweden)

Associate Editors

Ramon Bataller (Spain)
Jean-Frédéric Colombel (France)
Alexander Gerbes (Germany)
Subrata Ghosh (UK)
William Grady (USA)
Ernst Kuipers (The Netherlands)
Markus M Lerch (Germany)
David Mutimer (UK)
Severine Vermeire (Belgium)

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 © 2008 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 The Charlesworth Group and printed in the UK on acid-free paper from sustainable forests by Latimer Trend & Co Ltd, Plymouth, UK

Periodicals postage paid, Rahway, NJ. Postmaster: send address changes to: GUT, c/o Mercury Airfreight International Ltd, 365 Blair Road, Avenel, NJ 07001, USA

Leading article

- 429** The 10 remaining mysteries of inflammatory bowel disease



J-F Colombel, A J M Watson, M F Neurath

Commentaries

- 435** Making sense of oesophageal contents
M Fox, W Schwizer
- 438** The significance of the gut barrier in disease
J Meddings
- 440** Genetic factors predicting response to interferon treatment for viral hepatitis C
P Stärkel

Oesophagus

- 443** Presence of gas in the refluxate enhances reflux perception in non-erosive patients with physiological acid exposure of the oesophagus
S Emerenziani, D Sfrim, F I Habib, M Ribolsi, M P L Guarino, M Rizzi, R Caviglia, T Pettiti, M Cicala
- 448** Leptin and the risk of Barrett's oesophagus
B J Kendall, G A Macdonald, N K Hayward, J B Prins, I Brown, N Walker, N Pandeya, A C Green, P M Webb, D C Whiteman, for the Study of Digestive Health

Small bowel

- 455** Long-term outcome, growth and digestive function in children 2 to 18 years after intestinal transplantation
F Lacaille, N Vass, F Sawvat, D Canioni, V Colomb, C Talbotec, N Patey-Mariaud De Serre, J Salomon, J-P Hugot, J-P Cézard, Y Révillon, F M Rümmele, O Goulet

Intestinal inflammation

- 463** Associations with tight junction genes *PARD3* and *MAGI2* in Dutch patients point to a common barrier defect for coeliac disease and ulcerative colitis
M C Wapenaar, A J Monsuur, A A van Bodegraven, R K Weersma, M R Bevoa, R K Linskens, P Howdle, G Holmes, C J Mulder, G Dijkstra, D A van Heel, C Wijmenga
- 468** Mast cells and cellularity of the colonic mucosa correlated with fatigue and depression in irritable bowel syndrome
T Piche, M C Saint-Paul, R Dainese, E Marine-Barjoan, A Iannelli, M L Montoya, J F Peyron, D Czerucka, F Cheriakh, J Filippi, A Tran, X Hébuterne
- 475** Enterochromaffin cell and 5-hydroxytryptamine responses to the same infectious agent differ in Th1 and Th2 dominant environments
Y Motomura, J-E Ghia, H Wang, H Akiho, R T El-Sharkawy, M Collins, Y Wan, J T McLaughlin, W I Khan

Pancreatic cancer

- 483** Pancreatic cancer regression by intratumoural injection of live *Streptococcus pyogenes* in a syngeneic mouse model
C Maletzki, M Linnebacher, B Kreikemeyer, J Emmrich

Hepatology

- 492** Preconditioning with death ligands FasL and TNF- α protects the cirrhotic mouse liver against ischaemic injury
J-H Jang, W Moritz, R Graf, P-A Clavien

Hepatitis

- 500** Serum apoptotic caspase activity as a marker of severity in HBeAg-negative chronic hepatitis B virus infection
G V Papatheodoridis, E Hadziyannis, E Tsochatzis, N Chrysanthos, A Georgiou, G Kafiri, S Manolakopoulos, D G Tiniakos, I Giannousis, E K Manesis, A J Archimandritis
- 507** Elevated expression and polymorphisms of SOCS3 influence patient response to antiviral therapy in chronic hepatitis C
M Persico, M Capasso, R Russo, E Persico, L Crocè, C Tiribelli, A Iolascon
- 516** Liver gene expression signature to predict response to pegylated interferon plus ribavirin combination therapy in patients with chronic hepatitis C
T Asselah, I Bieche, S Narguet, A Sabbagh, I Laurendeau, M-P Ripault, N Boyer, M Martinot-Peignoux, D Valla, M Vidaud, P Marcellin
- 525** Pegylated interferon α -2a versus standard interferon α -2a for treatment-naïve dialysis patients with chronic hepatitis C: a randomised study
C-H Liu, C-C Liang, J-W Lin, S-I Chen, H-B Tsai, C-S Chang, P-H Hung, J-H Kao, C-J Liu, M-Y Lai, J-H Chen, P-J Chen, J-H Kao, D-S Chen

MORE CONTENTS ►



This article has been chosen by the Editor to be of specialist 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>



www.publicationethics.org.uk

This journal is a member of and subscribes to the principles of the Committee on Publication Ethics

- 531** Therapy of interferon-induced depression in chronic hepatitis C with citalopram: a randomised, double-blind, placebo-controlled study
M R Kraus, A Schäfer, K Schöttker, C Keicher, B Weissbrich, I Hofbauer, M Scheurle

JournalScan

- 537** Edited by P Moayyedi

Recent advances in basic science

- 538** Colon cancer stem cells
L Ricci-Vitiani, A Pagliuca, E Palio, A Zeuner, R De Maria

Recent advances in clinical practice

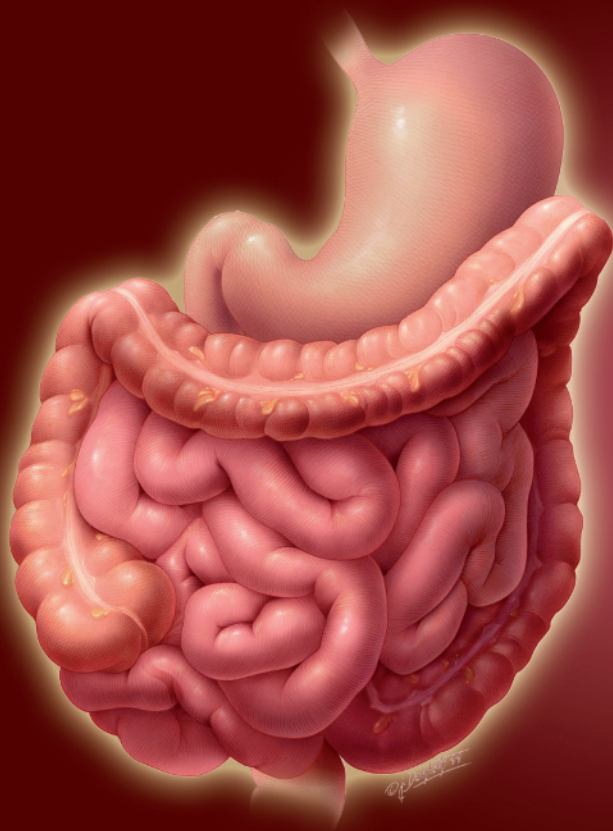
- 549** Opportunistic infections in patients with inflammatory bowel disease: prevention and diagnosis
N Viget, G Vernier-Massouille, D Salmon-Ceron, Y Yazdanpanah, J-F Colombel

PostScript

- 559** Letters
560 Notice
560 Corrections

Editor's quiz

- 434** Elevated α -fetoprotein and a pancreatic tumour
K-L Liu, Y-C Teng, Y-Wn Tien, J-T Lin
- 467** An unusual case of ascites
M J Bahr, B Boozari
- 474** A puzzling cause of melaena
K Tominaga, K Hirahata, I Maetani, H Kowazaki, K Tamura, J Matsubayashi
- 515** An unusual ultrasound diagnosis of right lower quadrant abdominal pain
A van Beurden, R T Ottow, M C P Van Oerle



Easily digestible research every month

Gut is the premier gastroenterology journal in Europe with an impressive impact factor of 9.02, so you'll want the guarantee of reading it every month.

Why not recommend the journal to your librarian or better still, obtain your own personal subscription? You will receive a paper copy every month as well as online access for **just £181 a year** (€268, \$344). Too much paper on your desk already? An online subscription is **just £99** (€147, \$188).

Visit group.bmj.com/group/subs-sales - your subscription to this first class journal is just a few clicks away.

gut.bmj.com

BMJ | Journals