

Aims and Scope

Gut publishes high quality original papers on all aspects of gastroenterology and hepatology as well as topical, authoritative editorials, comprehensive reviews, articles on recent advances and other articles of interest to gastroenterologists and hepatologists.

Editor

Professor Robin C Spiller (UK)

Deputy Editor

Alastair J M Watson (UK)

Associate Editors

Anna Mae Diehl (USA)
Emad El-Omar (UK)
Kevin Moore (UK)
Massimo Pinzani (Italy)
Ray J Playford (UK)
Jürgen Schölmerich (Germany)
Magnus Simrén (Sweden)

Specialist Editors

Jean-Frédéric Colombel (France)
Geoff Dusheiko (UK)
Markus M Lerch (Germany)

JournalScan Editor

Richard F A Logan

Contributors

Guruprasad Aithal (UK)	Ian D Penman (UK)
Richard Charnley (UK)	Simon P L Travis (UK)
Paul Moayyedi (UK)	

Editorial Office

Gavin Stewart
Kathryn Walsh

Technical Editors

Linda Gough
Melissa Dodd

Editorial Board

G Adler (Germany)	K E L McColl (UK)
I Bjarnason (UK)	H R Mertz (USA)
G E Boeckxstaens (Netherlands)	P Moayyedi (UK)
L Bueno (France)	S A Müller-Lissner (Germany)
H J Cooke (USA)	F Shanahan (Ireland)
M Corsetti (Italy)	N A Shepherd (UK)
C P Day (UK)	S J Spechler (USA)
M B Fallon (USA)	K Sugano (Japan)
I Forgas (UK)	J Tack (Belgium)
S L Friedman (USA)	H Tilg (Austria)
S Ghosh (UK)	G Tougas (Canada)
P R Gibson (Australia)	C Trautwein (Germany)
P Ginés (Spain)	S Vermeire (Belgium)
T Hibi (Japan)	C Vulpe (USA)
R Jones (UK)	S J W Evans (Statistical Adviser)
R Kiesslich (Germany)	Editor, BMJ
E J Kuipers (Netherlands)	
A J S MacPherson (Canada)	
G W McCaughey (Australia)	

Local Editions

China	Netherlands/Belgium
Excerpta Medica Asia Ltd	Medicom Exvcel
19/F Eight Commercial Tower	
8 Sun Yip Street	Box 151
Chai Wang	1400 AD Bussum
Hong Kong	Netherlands
Telephone: +852 2965 1300	Telephone: +31 35 69 52480
Fax: +852 2976 0778	Fax: +31 35 69 48565

Copyright

© 2005 BMJ Publishing Group & 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 the prior permission of Gut. Authors are required to grant Gut an exclusive licence to publish.

Print ISSN 0017-5749

Online ISSN 1468-3288

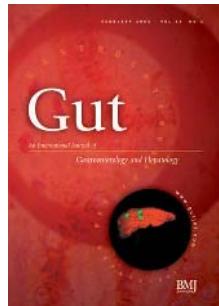
Publication: Monthly (subscribers also receive all supplements)

Instructions to Authors

All papers must be submitted via BenchPress at <http://www.submit-gut.bmjjournals.com/>

Gut is published by BMJ Publishing Group, typeset by The Charlesworth Group, and printed in the UK on acid-free paper by Unwin Brothers, Woking

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

- 175 Relevance of volume and proximal extent of reflux in gastro-oesophageal reflux disease *D Sifrim*

Commentaries

- 179 Gatekeeper reflux repair system; a mechanistic hypothesis *P J Kahrilas, T J Lee*
- 180 Granuloma formation in the different phenotypes of Crohn's disease *F Hofstaedter*
- 181 Value of MR colonography for assessment of inflammatory bowel disease? Believe what you see—see what you believe *C Gasche, K Turetschek*

Gastro-oesophageal reflux

- 183 Effect of endoscopic augmentation of the lower oesophageal sphincter (Gatekeeper reflux repair system) on intraoesophageal dynamic characteristics of acid reflux *M Cicala, A Gabbielli, S Emerenziani, M P L Guarino, M Ribolsi, R Caviglia, G Costamagna*

Oesophageal cancer

- 187 Histological precursors of oesophageal squamous cell carcinoma: results from a 13 year prospective follow up study in a high risk population *G-Q Wang, C C Abnet, Q Shen, K J Lewin, X-D Sun, M J Roth, Y-L Qiao, S D Mark, Z-W Dong, P R Taylor, S M Dawsey*

Stomach

- 193 Apple polyphenol extracts prevent damage to human gastric epithelial cells *in vitro* and to rat gastric mucosa *in vivo* *G Graziani, G D'Argenio, C Tuccillo, C Loguerico, A Ritieni, F Morisco, C Del Vecchio Blanco, V Fogliano, M Romano*

Gastric cancer

- 201 Reduced expression of epidermal growth factor receptor related protein in gastric cancer *W S Moon, A S Tarnawski, J Chai, J T Yang, A P N Majumdar*

Inflammation

- 207 Regulatory CD4⁺CD25⁺ cells reverse imbalances in the T cell pool of bone marrow transplanted TG ϵ 26 mice leading to the prevention of colitis *C Veltkamp, R B Sartor, T Giese, F Autschbach, I Kaden, R Veltkamp, D Rost, B Kallinowski, W Stremmel*

Inflammatory bowel disease

- 215 Frequency and significance of granulomas in a cohort of incident cases of Crohn's disease *D Heresbach, J L Alexandre, B Branger, J F Bretagne, E Cruchant, A Dabadie, M Dartois-Hoguin, P M Girardot, H Jouanolle, J Kerneis, J C Le Verger, V Louvain, J Politis, M Richécoeur, M Robaszkiewicz, J A Seyrig, the ABERMAD (Association Bretonne d'Etude et de Recherche sur les Maladies de l'Appareil Digestif)*



www.publicationethics.org.uk

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

- 223 Epithelioid granulomas, pattern recognition receptors, and phenotypes of Crohn's disease M Pierik, G De Hertogh, S Vermeire, G Van Assche, P Van Eyken, S Joossens, G Claessens, R Vlietinck, P Rutgeerts, K Geboes
- 228 Patients with active inflammatory bowel disease lack immature peripheral blood plasmacytoid and myeloid dendritic cells D C Baumgart, D Metzke, J Schmitz, A Scheffold, A Sturm, B Wiedenmann, A U Dignass
- 237 Impact of the increasing use of immunosuppressants in Crohn's disease on the need for intestinal surgery J Cosnes, I Nion-Larmurier, L Beaugerie, P Afchain, E Tiret, J-P Gendre
- 242 Synbiotic therapy (*Bifidobacterium longum*/Synergy 1) initiates resolution of inflammation in patients with active ulcerative colitis: a randomised controlled pilot trial E Furrie, S Macfarlane, A Kennedy, J H Cummings, S V Walsh, D A O'Neil, G T Macfarlane
- 250 Comparison of magnetic resonance imaging colonography with conventional colonoscopy for the assessment of intestinal inflammation in patients with inflammatory bowel disease: a feasibility study A G Schreyer, H C Rath, R Kikinis, M Völk, J Schölmerich, S Feuerbach, G Rogler, J Seitz, H Herfarth
- 257 Magnetic resonance colonography for the detection of inflammatory diseases of the large bowel: quantifying the inflammatory activity W M Ajaj, T C Lauenstein, G Pelster, G Gerken, S G Ruehm, J F Debatin, S C Goehde

Colorectal cancer

- 264 Exon 3 β -catenin mutations are specifically associated with colorectal carcinomas in hereditary non-polyposis colorectal cancer syndrome V Johnson, E Volikos, S E Halford, E T Eltekhari Sadat, S Popat, I Talbot, K Truninger, J Martin, J Jass, R Houlston, W Atkin, I P M Tomlinson, A R J Silver
- 268 Survival differences between European and US patients with colorectal cancer: role of stage at diagnosis and surgery L Ciccolallo, R Capocaccia, M P Coleman, F Berrino, J W W Coebergh, R A M Damhuis, J Faivre, C Martinez-Garcia, H Møller, M Ponz de Leon, G Launoy, N Raverdy, E M I Williams, G Gatta

Pancreas

- 274 Serum antibodies to carbonic anhydrase IV in patients with autoimmune pancreatitis I Nishimori, E Miyaji, K Morimoto, K Nagao, M Kamada, S Onishi

Liver

- 282 Effect of central corticotropin releasing factor on hepatic circulation in rats: the role of the CRF₂ receptor in the brain M Yoneda, K Nakamura, Y Nakade, M Tamano, T Kono, H Watanobe, T Shimada, H Hiraishi, A Terano
- 289 The value of residual liver volume as a predictor of hepatic dysfunction and infection after major liver resection M J Schindl, D N Redhead, K C H Fearon, O J Garden, S J Wigmore, on behalf of the Edinburgh Liver Surgery and Transplantation Experimental Research Group (eLISTER)

- 297 Changes to hepatocyte ploidy and binuclearity profiles during human chronic viral hepatitis H Toyoda, O Bregerie, A Vallet, B Nalpas, G Pivert, C Brechot, C Desdouets

Recent advances in clinical practice

- 303 Cytokines and the pathogenesis of non-alcoholic steatohepatitis A M Diehl, Z P Li, H Z Lin, S Q Yang

JournalScan

- 307 Edited by R F A Logan

PostScript

- 308 Letters
316 Book review
316 Correction

Miscellanea

- 178 Editor's quiz: Caecal tumour with hepatic metastases?
192 Editor's quiz: Black oesophagus—cause?
206 Editor's quiz: An unusual CT
222 Editor's quiz: Chronic intermittent vomiting after scoliosis surgery
296 Gut Tutorial: chronic diarrhoea