

## 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 Forgacs (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 Ginès (Spain) S Vermeire (Belgium)  
T Hibi (Japan) C Vulpé (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 McCaughan (Australia)

## Local Editions

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

## Copyright

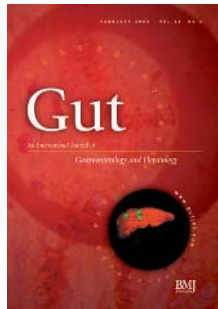
© 2005 BMJ Publishing Group & British Society of Gastroenterology. All rights reserved; no part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise without the prior permission of *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.bmjournals.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



The value of residual liver volume as a predictor of hepatic dysfunction and infection after major liver resection (from the paper by Schindl *et al*, pp 289–96).



[www.publicationethics.org.uk](http://www.publicationethics.org.uk)

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

## 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 Gabbrielli, 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 Loguercio, A Ritiene, 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<sup>+</sup>CD25<sup>+</sup> cells reverse imbalances in the T cell pool of bone marrow transplanted TGE26 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 Richecoeur, M Robaszekiewicz, J A Seyrig, the ABERMAD (Association Bretonne d'Etude et de Recherche sur les Maladies de l'Appareil Digestif)*

- 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 Furrrie, 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  $\beta$ -catenin mutations are specifically associated with colorectal carcinomas in hereditary non-polyposis colorectal cancer syndrome *V Johnson, E Volikas, S E Halford, E T Eftekhari 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 Cicalallo, 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 CRF<sub>2</sub> 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