# Gut

Journal of the British Society of Gastroenterology, a registered charity

#### AIMS AND SCOPE

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

#### **EDITOR**

Michael J G Farthing

#### **SPECIAL SECTIONS EDITOR**

Ian Forgace

#### **ASSOCIATE EDITORS**

David Adams John Atherton Thomas T MacDonald Jan Tack Nicholas A Wright

## EVIDENCE BASED GASTROENTEROLOGY ADVISORY GROUP

Richard F A Logan Stephen J W Evans Andrew Hart Jane Metcalf

#### **EDITORIAL OFFICE MANAGER**

Claire Castle

#### **EDITORIAL ASSISTANTS**

Alex Hodge Liz Standing

#### **TECHNICAL EDITORS**

Linda Gough Josie Stephenson

#### **EDITORIAL BOARD**

K E Barrett - USA
E Beubler - Austria
M K Bhan - India
I Bjarnason - UK
G E Boeckxstaens - Netherlands
L Bueno-France
H A Buller - Netherlands
L Bueno-France
E Corazziari - Italy
A M Di Bisceglie – USA
E El-Omar - UK
S I - Friedman - USA
L Greco - Italy
R Jones - UK
P J Kahrilas - USA
M A Kamm - UK
E J Kuipers - Netherlands
L Lundell - Sweden
G W McCaughan - Australia

K Moore - UK
M F Neurath - USA
M Novelli - UK
F Pallone - Italy
D Schuppan - Germany
F Shanahan - Ireland
N A Shepherd - UK
R C Spiller - UK
J J Y Sung - Hong Kong
M Swain - Canada
G Tougas - Canada
G Tougas - Canada
G Triadafilopoulos - USA
Z Tulassay - Hungary
S J H Van Deventer Netherlands
S J W Evans (Statistical Adviser)

K E L McColl - UK H R Mertz - USA

#### **LOCAL EDITIONS**

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

Editor, British Medical Journal

#### COPYRIGHT

© 2002 Gut. 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)

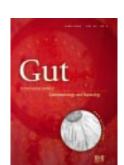
#### **INSTRUCTIONS TO AUTHORS**

Full instructions are available online at www.gutjnl.com/misc/ifora.shtml

If you do not have web access please contact the editorial office

 ${\it Gut}$  is published by BMJ Publishing Group and printed in the UK on acid free paper by Cambrian Printers, Aberystwyth

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



High magnification of an Afa/Dr DAEC bacteria associated with multiple elongated microvilli in human intestinal cell (magnification ×8000). (From the paper by Lievin-Le Moal et al, pp 803–811.)

## contents GUT

Volume 50 Number 6 June 2002

#### **Leading article**

743 Primary biliary cirrhosis: seeking the silent partner of autoimmunity I Sutton, J Neuberger

......

#### Commentaries

- 747 Easy as 1, 2, 3? Histamine receptors and gastric acid I L P Beales
- 748 UGT1A1 polymorphisms and colorectal cancer susceptibility N T Brockton
- 749 HCC: What's the score D Shouval

#### Clinical @lert

751 Does chemoradiotherapy after intended curative surgery increase survival of gastric cancer patients? A Cuschieri

#### Rapid communication

752 Bone marrow derivation of pericryptal myofibroblasts in the mouse and human small intestine and colon M Brittan, T Hunt, R Jeffery, R Poulsom, S J Forbes, K Hodivala-Dilke, J Goldman, M R Alison, N A Wright

#### Oesophagus

- 758 Effect of sildenafil on oesophageal motor function in healthy subjects and patients with oesophageal motor disorders A J Eherer, I Schwetz, H F Hammer, T Petnehazy, S J Scheidl, K Weber, G J Krejs
- 765 Timed barium oesophagram: better predictor of long term success after pneumatic dilation in achalasia than symptom assessment M F Vaezi, M E Baker, E Achkar, J E Richter

#### Helicobacter pylori

- 771 Analysis of apoptotic and antiapoptotic signalling pathways induced by Helicobacter pylori S Maeda, H Yoshida, Y Mitsuno, Y Hirata, K Ogura, Y Shiratori, M Omata
- 779 Risk factors for atrophic chronic gastritis in a European population: results of the Eurohepygast study The Eurohepygast Study Group
- Effects of N-alpha-methyl-histamine on human H₂ receptors expressed in CHO cells T Saitoh, Y Fukushima, H Otsuka, M Ishikawa, M Tamai, H Takahashi, H Mori, T Asano, M Anai, T Ishikawa, T Katsube, K Ogawa, T Kajiwara, M Omata, S Ohkawa

#### **Small intestine**

790 Novel human and mouse genes encoding an acid phosphatase family member and its downregulation in W/W' mouse jejunum I Takayama, Y Daigo, S M Ward, K M Sanders, R L Walker, B Horowitz, T Yamanaka, M A Fujino

797 Distribution of the long leptin receptor isoform in brush border, basolateral membrane, and cytoplasm of enterocytes J Barrenetxe, A C Villaro, L Guembe, I Pascual, M Muñoz-Navas, A Barber, M P Lostao



www.publicationethics.org.uk

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

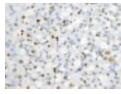
## contents GUT

Volume 50 Number 6 June 2002

#### **Intestinal infection**

803 Lactobacillus acidophilus (strain LB) from the resident adult human gastrointestinal microflora exerts activity against brush border damage promoted by a diarrhoeagenic Escherichia coli in human enterocyte-like cells V Liévin-Le Moal, R Amsellem, A L Servin, M-H Coconnier

Aberrant p16<sup>INKAA</sup> and DPC4/Smad4 expression in intraductal papillary mucinous tumours of the pancreas is associated with invasive ductal adenocarcinoma A V Biankin, S A Biankin, J G Kench, A L Morey, C-S Lee, D R Head, R P Eckstein, T B Hugh, S M Henshall, R L Sutherland



See p 869

## **Inflammation and Inflammatory** bowel disease

- 812 Interleukin 18 is a primary mediator of the inflammation associated with dextran sulphate sodium induced colitis: blocking interleukin 18 attenuates intestinal damage P V Sivakumar, G M Westrich, S Kanaly, K Garka, T L Born, J M J Derry, J L Viney
- 821 Impairment of epithelial transport but not of barrier function in idiopathic pouchitis after ulcerative colitis A J Kroesen, M Stockmann, C Ransco, J D Schulzke, M Fromm, H J Buhr

### Cancer

- 827 Gastrin-cholecystokinin<sub>B</sub> receptor expression in AGS cells is associated with direct inhibition and indirect stimulation of cell proliferation via paracrine activation of the epidermal growth factor receptor A Varro, PJ Noble, LE Wroblewski, L Bishop, GJ Dockray
- 834 The spectrum of p53 mutations in colorectal adenomas differs from that in colorectal carcinomas X P Hao, I M Frayling, J G Sgouros, M Q Du, T C Willcocks, I C Talbot, I P M Tomlinson
- 840 Effect of faecal occult blood screening on mortality from colorectal cancer: results from a randomised controlled trial J. H. Scholefield, S. Moss, F. Sufi, C. M. Mangham, J. D. Hardcastle
- 845 Genetic and clinical characterisation of familial adenomatous polyposis: a population based study A-L Moisio, H Järvinen, P Peltomäki
- ©851 Polymorphisms of the human UDP-glucuronosyltransferase (UGT) 1A7 gene in colorectal cancer C P Strassburg, A Vogel, S Kneip, R H Tukey, M P Manns
- A randomised, double blind, placebo controlled study of celecoxib, a selective cyclooxygenase 2 inhibitor, on duodenal polyposis in familial adenomatous polyposis R K S Phillips, M H Wallace, P M Lynch, E Hawk, G B Gordon, B P Saunders, N Wakabayashi, Y Shen, S Zimmerman, L Godio, M Rodrigues-Bigas, L-K Su, J Sherman, G Kelloff, B Levin, G Steinbach, the FAP Study Group

#### Liver disease

861

- 869 Selective plasma filtration for treatment of fulminant hepatic failure induced by D-galactosamine in a pig model D W Y Ho, S T Fan, J To, Y H Woo, Z Zhang, C Lau, J Wong
- 877 Focal nodular hyperplasia of the liver in men: is presentation the same in men and women? A Luciani, H Kobeiter, P Maison, D Cherqui, E-S Zafrani, D Dhumeaux, D Mathieu
- ©881 Staging of hepatocellular carcinoma: assessment of the CLIP, Okuda, and Child-Pugh staging systems in a cohort of 257 patients in Toronto I Levy, M Sherman, the Liver Cancer Study Group of the University of Toronto

.....

.....

#### **Gut file**

886 A god for guts J Walker-Smith

#### **Occasional viewpoint**

888 Creutzfeldt-Jakob disease: implications for gastroenterology M G Bramble, J W Ironside

.....

.....

#### Review

891 Transcriptional regulation of hepatic stellate cell activation D A Mann, D E Smart

#### **PostScript**

- 897 Hypomagnesaemia due to malabsorption is not always responsive to oral magnesium oxide supplementation alone R P Arasaradnam, R P Bolton
- 897 Regulation of gastric function by gastrin releasing peptide *ILP Beales*
- 898 Osteoporosis is not a specific complication of primary biliary cirrhosis (PBC) A Floreani
- 899 Expression of isoforms of nitric oxide synthase in collagenous colitis E A B Cameron, S J Middleton, P J Roberts
- 899 Correction Notices



See p 886

#### Online index

A pdf (printer friendly) version of the index for volume 50 of *Gut* will be posted on the journal's web site (www.gutjnl.com) in conjunction with the July issue (Vol 51, Issue 1). This pdf will be freely available to all.