



Caption: Photo by Katerina Tsilingiri; original magnification 10x. Haematoxylin/eosin staining of a sample taken from a colonic Crohn's Disease (CD) patient. Non canonical villi or crypt structures are often observed in samples from CD patients, as there is extensive inflammation and oedema in the lamina propria region. This causes the villi or crypts to undergo significant changes both in orientation and in 3D structure. This image is a perfect cover for the February edition of Gut!

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)

William Grady (USA)

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](mailto: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** © 2012 BMJ Publishing Group Ltd 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

169 Anti-TNF antibody therapy in Crohn's disease: the risk of a switch

E Ricart, I Ordás, J Panés

170 Progranulin and cholangiocarcinoma: another bad boy on the block!

D Alvaro

Leading article

172 StellaTUM: current consensus and discussion on pancreatic stellate cell research

M Erkan, G Adler, M V Apte, M G Bachem, M Buchholz, S Detlefsen, I Esposito, H Friess, T M Gress, H-J Habisch, R F Hwang, R Jaster, J Kleeff, G Klöppel, C Kordes, C D Logsdon, A Masamune, C W Michalski, J Oh, P A Phillips, M Pinzani, C Reiser-Erkan, H Tsukamoto, J Wilson

Guidelines

179 Practice guidance on the management of acute and chronic gastrointestinal problems arising as a result of treatment for cancer

H J N Andreyev, S E Davidson, C Gillespie, W H Allum, E Swarbrick

Original articles

Stomach

193 Hepcidin is localised in gastric parietal cells, regulates acid secretion and is induced by Helicobacter pylori infection

P Schwarz, J A M Kübler, P Strnad, K Müller, T F E Barth, A Gerloff, P Feick, C Peyssonnaud, S Vaulont, G Adler, H Kulaksiz

GI neoplasia

202 Intestinal renin—angiotensin system is stimulated after deletion of Lkb1

B Y Shorning, T Jardé, A McCarthy, A Ashworth, W W J de Leng, G J A Offerhaus, N Resta, T Dale, A R Clarke

Neurogastroenterology

214 Irritable bowel syndrome and chronic fatigue 3 years after acute giardiasis: historic cohort study

K-A Wensaas, N Langeland, K Hanevik, K Morch, G E Eide, G Rortveit

Coeliac disease

220 Cell polarity-determining proteins Par-3 and PP-1 are involved in epithelial tight junction defects in coeliac disease

M Schumann, D Günzel, N Buerger, J F Richter, H Troeger, C May, A Fromm, D Sorgenfrei, S Daum, C Bojarski, M Heyman, M Zeitz, M Fromm, J-D Schulzke

Inflammatory bowel disease

229 Switch to adalimumab in patients with Crohn's disease controlled by maintenance infliximab: prospective randomised SWITCH trial

G Van Assche, S Vermeire, V Ballet, F Gabriels, M Noman, G D'Haens, C Claessens, E Humblet, N Vande Castele, A Gils, P Rutgeerts

235 Thiopurines prevent advanced colorectal neoplasia in patients with inflammatory bowel disease

F D M van Schaik, M G H van Oijen, H M Smeets, G J M G van der Heijden, P D Siersema, B Oldenburg

241 Development of the first disability index for inflammatory bowel disease based on the international classification of functioning, disability and health

L Peyrin-Biroulet, A Cieza, W J Sandborn, M Coenen, Y Chowers, T Hibi, N Kostanjsek, G Stucki, J-F Colombel, the International Programme to Develop New Indexes for Crohn's Disease (IPNIC) group

Colon

248 TERC polymorphisms are associated both with susceptibility to colorectal cancer and with longer telomeres

A M Jones, A D Beggs, L Carvajal-Carmona, S Farrington, A Tenesa, M Walker, K Howarth, S Ballereau, S V Hodgson, A Zauber, M Bertagnolli, R Midgley, H Campbell, D Kerr, M G Dunlop, I P M Tomlinson

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>

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



When you have finished with this magazine please recycle it.

- 255** Prevention by daily soluble aspirin of colorectal adenoma recurrence: 4-year results of the APACC randomised trial  
*R Benamouzig, B Uzzan, J Deyra, A Martin, B Girard, J Little, S Chaussade, for the Association pour la Prévention par l'Aspirine du Cancer Colorectal Study Group (APACC)*
- Pancreas**
- 262** Cigarette smoking, smoking cessation and acute pancreatitis: a prospective population-based study  
*O Sadr-Azodi, Å Andrén-Sandberg, N Orsini, A Wolk*
- Hepatology**
- 268** Interleukin-6-driven progranulin expression increases cholangiocarcinoma growth by an Akt-dependent mechanism  
*G Frampton, P Invernizzi, F Bernuzzi, H Y Pae, M Quinn, D Horvat, C Galindo, L Huang, M McMillin, B Cooper, L Rimassa, S DeMorrow*
- 278** The putative tumour suppressor microRNA-124 modulates hepatocellular carcinoma cell aggressiveness by repressing ROCK2 and EZH2  
*F Zheng, Y-J Liao, M-Y Cai, Y-H Liu, T-H Liu, S-P Chen, X-W Bian, X-Y Guan, M C Lin, Y-X Zeng, H-F Kung, D Xie*
- 290** Impact of hepatitis C triple therapy availability upon the number of patients to be treated and associated costs in France: a model-based analysis  
*S Deuffic-Burban, P Mathurin, S Pol, C Larsen, F Roudot-Thoraval, J C Desenclos, D Dhumeaux, Y Yazdanpanah*
- 
- Recent advances in clinical practice**
- 297** Spontaneous bacterial peritonitis: recent guidelines and beyond  
*R Wiest, A Krag, A Gerbes*
- 
- Recent advances in basic science**
- 311** Family studies in Crohn's disease: new horizons in understanding disease pathogenesis, risk and prevention  
*C R Hedin, A J Stagg, K Whelan, J O Lindsay*
- 
- JournalScan**
- 319** GI highlights from the literature
- 
- PostScript**
- 321** Letters
- 327** Correction
- 
- Editor's quiz: GI snapshot**
- 277** Persistent severe gastrointestinal bleeding in a man with metastatic somatostatinoma  
*C O Musumba, M Usman-Saeed, P O'Toole, S Powell, H L Smart*