



Cover caption: Carcinoid tumour. Coloured transmission electron micrograph of a cancer cell from a carcinoid (neuroendocrine) tumour of the human gut. The large oval is the cell nucleus. The red patch inside it is the nucleolus, often prominent in cancer cells. The small red granules in the cytoplasm are packed with the hormone serotonin. Carcinoid tumours are the most common tumours of the small intestine. They arise from sparse hormone-secreting cells the gut wall and can spread cancer around the body with fatal results. High levels of serotonin, the hormone made by the cells, causes symptoms like flushing, wheezing & diarrhoea. Magnification x3000 at 6x4.5cm size. Cover credit: SCIENCE PHOTO LIBRARY.

Journal of the British Society of Gastroenterology

Impact Factor: 9.35

Editor

Professor Emad El-Omar (UK)

Deputy Editor (Hepatology)

Alexander Gerbes (Germany)

Deputy Editor (Luminal

Gastroenterology)

Severine Vermeire (Belgium)

Associate Editors

Ramon Bataller (Spain)

Guy Boeckxstaens (Belgium)

Laurence Egan (Ireland)

William Grady (USA)

Thomas Gress (Germany)

Ernst Kuipers (The Netherlands)

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

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 © 2011 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 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

1589 A role for the gut microbiota in energy harvesting?
V Tremaroli, P Kovatcheva-Datchary, F Bäckhed

1590 Cause-effect relationship between the hepatitis C virus and insulin resistance at the time of direct antiviral therapy
F Negro

Guidelines

1592 The provision of a percutaneously placed enteral tube feeding service
D Westaby, A Young, P O'Toole, G Smith, D S Sanders

Oesophagus

1606 A novel mechanism of acid and bile acid-induced DNA damage involving Na⁺/H⁺ exchanger: implication for Barrett's oesophagus
A Goldman, M Shahidullah, D Goldman, L Khailova, G Watts, N Delamere, K Dvorak

Stomach

1617 Distinguishing Ménétrier's disease from its mimics
A Rich, T Z Toro, J Tanksley, W H Fiske, C D Lind, G D Ayers, H Piessevaux, M K Washington, R J Coffey

Nutrition

1625 You deserve what you eat: lessons learned from the study of the melanin-concentrating hormone (MCH)-deficient mice
Y Wang, D C Ziogas, S Biddinger, E Kokkotou

Gut microbiota

1635 Composition and energy harvesting capacity of the gut microbiota: relationship to diet, obesity and time in mouse models
E F Murphy, P D Cotter, S Healy, T M Marques, O O'Sullivan, F Fouhy, S F Clarke, P W O'Toole, E M Quigley, C Stanton, P R Ross, R M O'Doherty, F Shanahan

Neurogastroenterology

1643 The brain to gut pathway: a possible route of prion transmission
V A Lawson, J B Furness, H M Klemm, L Pontell, E Chan, A F Hill, R Chiochetti

Inflammatory bowel disease

1652 E-health empowers patients with ulcerative colitis: a randomised controlled trial of the web-guided 'Constant-care' approach
M Elkjaer, M Shuhaibar, J Burisch, Y Bailey, H Scherfig, B Laugesen, S Avnstrom, E Langholz, C O'Morain, E Lyng, P Munkholm

1662 Autologous bone marrow-derived mesenchymal stromal cell treatment for refractory luminal Crohn's disease: results of a phase I study
M Duijvestein, A C W Vos, H Roelofs, M E Wildenberg, B B Wendrich, H W Verspaget, E M C Kooy-Winkelaar, F Koning, J J Zwaginga, H H Fidder, A P Verhaar, W E Fibbe, G R van den Brink, D W Hommes

Colon cancer

1670 Effect of aspirin and NSAIDs on risk and survival from colorectal cancer
F V N Din, E Theodoratou, S M Farrington, A Tenesa, R A Barnetson, R Cetnarskyj, L Stark, M E Porteous, H Campbell, M G Dunlop



1680 Severe polyposis in Apc^{1322T} mice is associated with submaximal Wnt signalling and increased expression of the stem cell marker *Lgr5*
A Lewis, S Segditsas, M Deheragoda, P Pollard, R Jeffery, E Nye, H Lockstone, H Davis, G Stamp, R Poulson, N Wright, I Tomlinson

Hepatology

1687 Golgi protein 73 (GOLPH2) is a valuable serum marker for hepatocellular carcinoma
Y Mao, H Yang, H Xu, X Lu, X Sang, S Du, H Zhao, W Chen, Y Xu, T Chi, Z Yang, J Cai, H Li, J Chen, S Zhong, S R Mohanti, R Lopez-Soler, J M Millis, J Huang, H Zhang

1694 Danoprevir, an HCV NS3/4A protease inhibitor, improves insulin sensitivity in patients with genotype 1 chronic hepatitis C
R Moucari, N Forestier, D Larrey, D Guyader, P Couzigou, Y Benhamou, H Voitot, M Vidaud, S Seiwert, B Bradford, S Zeuzem, P Marcellin

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>

C O P E 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



When you have finished with this magazine please recycle it.

- 1699** Prognostic value of interleukin 2 and interleukin 15 in peritumoral hepatic tissues for patients with hepatitis B-related hepatocellular carcinoma after curative resection

H Zhou, H Huang, J Shi, Y Zhao, Q Dong, H Jia, Y Liu, Q Ye, H Sun, X Zhu, L Fu, K Guo, D Gao, J Sun, Z Yan, N Ren, Z Tang, L Qin

- 1709** Presentation and outcome of gastrointestinal involvement in hepatitis C virus-related systemic vasculitis: a case—control study from a single-centre cohort of 163 patients

B Terrier, D Saadoun, D Sène, S Scerra, L Musset, P Cacoub

Recent advances in clinical practice

- 1716** Diabetic gastroparesis: what we have learned and had to unlearn in the past 5 years

P Kashyap, G Farrugia

JournalScan

- 1727** GI highlights from the literature

PostScript

- 1728** Book review

- 1728** Letters

- 1732** Correction

Editor's quiz: GI snapshot

- 1605** Management of lower gastrointestinal bleeding: endoscopist or radiologist?

K McArdle, E Leung, S Latif, A Bohra, S Ishaq