

Royal Botanical Gardens, Sydney, Australia. Read in this issue the excellent Recent Advances in Basic Science article by Conway *et al* on combating pancreatic cancer with PI3K pathway inhibitors.

An international journal of gastroenterology and hepatology

Impact Factor: 17.016

Editor

Emad El-Omar (Australia)

Deputy Editor (Hepatology)

Alexander Gerbes (Germany)

Deputy Editor (Luminal

Gastroenterology)

William Grady (USA)

Deputy Editor (Endoscopy)

Thomas Rosch (Germany)

Associate Editors

Matias Avila (Spain)

Guy Boeckxstaens (Belgium)

Patrice Cani (Belgium)

Jean-Francois Dufour (Switzerland)

Thomas Gress (Germany)

Arthur Kaser (UK)

Ernst Kuipers (The Netherlands)

Siew C Ng (Hong Kong)

Herbert Tilg (Austria)

Fabien Zoulim (France)

Editorial Office

Gut

BMJ Journals

BMA House, Tavistock Square

London, WC1H 9JR, UK

E: info.gut@bmj.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 © 2019 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 Exeter Premedia Services Private Ltd, Chennai, India and printed in the UK on acid-free paper.

Gut (ISSN: 0017-5749) is published monthly by BMJ Publishing Group and is distributed in the USA by Air Business Ltd. Periodicals postage paid at Jamaica NY 11431 POSTMASTER: send address changes to Gut, Air Business Ltd, c/o Worldnet Shipping Inc., 156-15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, USA.

Commentary

- 581** Immunosuppressive β ig-h3 links tumour stroma and dysfunctional T cells in pancreatic cancer
C A Bauer

Endoscopy news

- 582** Elective endoscopic clipping for the treatment of symptomatic diverticular disease: a potential for 'cure'
A Haji, A Plastiras, M Ortenzi, S Gulati, A Emmanuel, B'H Hayee

Stomach

- 585** Surveillance of premalignant gastric lesions: a multicentre prospective cohort study from low incidence regions
W J den Hollander, I L Holster, C M den Hoed, L G Capelle, T J Tang, M-P Anten, I Prytz-Berset, E M Witteman, F ter Borg, G den Hartog, M J Bruno, M P Peppelenbosch, W Lesterhuis, M Doukas, E J Kuipers, M C W Spaander

Inflammatory bowel disease

- 594** Comparison of different histological indexes in the assessment of UC activity and their accuracy regarding endoscopic outcomes and faecal calprotectin levels
F Magro, J Lopes, P Boralho, S Lopes, R Coelho, J Cotter, F D de Castro, H T de Sousa, M Salgado, P Andrade, A I Vieira, P Figueiredo, P Caldeira, A Sousa, M A Duarte, F Ávila, J Silva, J Moleiro, S Mendes, S Giestas, P Ministro, P Sousa, R Gonçalves, B Gonçalves, A Oliveira, I Rosa, M Rodrigues, C Chagas, C C Dias, J Afonso, K Geboes, F Carneiro, Portuguese IBD Study Group (GEDII)

- 604** Cell-centred meta-analysis reveals baseline predictors of anti-TNF α non-response in biopsy and blood of patients with IBD

R Gaujoux, E Starosvetsky, N Maimon, F Vallania, H Bar-Yoseph, S Pressman, R Weisshof, I Goren, K Rabinowitz, M Waterman, H Yanai, I Dotan, E Sabo, Y Chowers, P Khatri, S S Shen-Orr, on behalf of the Israeli IBD research Network (IIRN)

- 615** Consecutive negative findings on colonoscopy during surveillance predict a low risk of advanced neoplasia in patients with inflammatory bowel disease with long-standing colitis: results of a 15-year multicentre, multinational cohort study
J R ten Hove, S C Shah, S R Shaffer, C N Bernstein, D Castaneda, C Palmela, E Mooivveer, J Elman, A Kumar, J Glass, J Axelrad, T A Ullman, J-F Colombel, J Torres, A A van Bodegraven, F Hoentjen, J M Jansen, M E de Jong, N Mahmod, A E van der Meulen-de Jong, C Y Ponsioen, C J van der Woude, S H Itzkowitz, B Oldenburg

- 623** Impact of thiopurines on the natural history and surgical outcome of ulcerative colitis: a cohort study
C Eriksson, S Rundquist, Y Cao, S Montgomery, J Halfvarson

Neurogastroenterology

- 633** Single-cell RNAseq reveals seven classes of colonic sensory neuron
J R F Hockley, T S Taylor, G Callejo, A L Wilbrey, A Gutteridge, K Bach, W J Winchester, D C Bulmer, G McMurray, E S J Smith

Gut microbiota

- 645** Iron-containing micronutrient powders modify the effect of oral antibiotics on the infant gut microbiome and increase post-antibiotic diarrhoea risk: a controlled study in Kenya
D Paganini, M A Uyoga, G A M Kortman, C I Cercamondi, H C Winkler, J Boekhorst, D Moretti, C Lacroix, S Karanja, M B Zimmermann
- 654** Enteric fungal microbiota dysbiosis and ecological alterations in colorectal cancer
O O Coker, G Nakatsu, R Z Dai, W K K Wu, S H Wong, S C Ng, F K L Chan, J J Y Sung, J Yu

Colon

- 663** Serial circulating tumour DNA analysis during multimodality treatment of locally advanced rectal cancer: a prospective biomarker study
J Tie, J D Cohen, Y Wang, L Li, M Christie, K Simons, H Elseleh, S Kosmider, R Wong, D Yip, M Lee, B Tran, D Rangiah, M Burge, D Goldstein, M Singh, I Skinner, I Faragher, M Croxford, C Bampton, A Haydon, I T Jones, C S Karapetis, T Price, M J Schaefer, J Ptak, L Dobbyn, N Silliman, I Kinde, C Tomasetti, N Papadopoulos, K Kinzler, B Volgestein, P Gibbs

MORE CONTENTS ►



EDITOR'S CHOICE



OPEN ACCESS



Member since 2008



When you have finished with this magazine please recycle it.


This article has been chosen by the Editor to be of special interest or importance and is freely available online.

This article has been made freely available online under the BMJ Journals open access scheme. See <http://authors.bmj.com/open-access/>

This journal is a member of and subscribes to the principles of the Committee on Publication Ethics www.publicationethics.org.uk

equator network

recycle
When you have finished with this magazine please recycle it.


- 672** Comparison of prognostic models to predict the occurrence of colorectal cancer in asymptomatic individuals: a systematic literature review and external validation in the EPIC and UK Biobank prospective cohort studies
 *T Smith, D C Muller, K G M Moons, A J Cross, M Johansson, P Ferrari, G Fagherazzi, P H M Peeters, G Severi, A Hüsing, R Kaaks, A Tjonneland, A Olsen, K Overvad, C Bonet, M Rodriguez-Barranco, J M Huerta, A Barricarte Gurrea, K E Bradbury, A Trichopoulou, C Bamia, P Orfanos, D Palli, V Pala, P Vineis, B Bueno-de-Mesquita, B Ohlsson, S Harlid, B Van Guelpen, G Skeie, E Weiderpass, M Jenab, N Murphy, E Riboli, M J Gunter, K J Aleksandrova, I Tzoulaki*


- 684** Genetic editing of colonic organoids provides a molecularly distinct and orthotopic preclinical model of serrated carcinogenesis
T R M Lannagan, Y K Lee, T Wang, J Roper, M L Bettington, L Fennell, L Vrbanc, L Jonavicius, R Somashekar, K Gieniec, M Yang, J Q Ng, N Suzuki, M Ichinose, J A Wright, H Kobayashi, T L Putoczki, Y Hayakawa, S J Leedham, H E Abud, Ö H Yilmaz, J Marker, S Klebe, P Wirapati, S Mukherjee, S Tejpar, B A Leggett, V L J Whitehall, D L Worthley, S L Woods


Pancreas

- 693** Stromal protein β ig-h3 reprogrammes tumour microenvironment in pancreatic cancer
 *D Goehrig, J Nigri, R Samain, Z Wu, P Cappello, G Gabiane, X Zhang, Y Zhao, I-S Kim, M Chanal, R Curto, V Hervieu, C de La Fouchardière, F Novelli, P Milani, R Tomasini, C Bousquet, P Bertolino, A Hennino*



Hepatology

- 708** Alcohol dysregulates miR-148a in hepatocytes through FoxO1, facilitating pyroptosis via TXNIP overexpression
 *M J Heo, T H Kim, J S You, D Blaya, P Sancho-Bru, S G Kim*

- 721** Ledipasvir/sofosbuvir with or without ribavirin for 8 or 12 weeks for the treatment of HCV genotype 4 infection: results from a randomised phase III study in Egypt
 *G Shiha, G Esmat, M Hassany, R Soliman, M Elbasiony, R Fouad, A Elsharkey, R Hammad, W Abdel-Razek, T Zakareya, K Kersey, B Massetto, A Osinusi, S Lu, D M Brainard, J G McHutchison, I Waked, W Doss*

- 729** Deep learning Radiomics of shear wave elastography significantly improved diagnostic performance for assessing liver fibrosis in chronic hepatitis B: a prospective multicentre study
 *K Wang, X Lu, H Zhou, Y Gao, J Zheng, M Tong, C Wu, C Liu, L Huang, T Jiang, F Meng, Y Lu, H Ai, X-Y Xie, L Yin, P Liang, J Tian, R Zheng*

Recent advances in basic science

- 742** Combating pancreatic cancer with PI3K pathway inhibitors in the era of personalised medicine
 *J R W Conway, D Herrmann, T R J Evans, J P Morton, P Timpson*


JournalScan

- 759** GI highlights from the literature
M H McLean

PostScript

- 761** Letters

Editor's quiz: GI snapshot

- 593** How do you treat this diversion ileitis and pouchitis?
K Tominaga, A Tsuchiya, J Yokoyama, S Terai