



Caption: The beautiful Trevi Fountain, Rome Italy.

An international journal of gastroenterology and hepatology

Impact Factor: 14.921

#### 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)

Martin Blaser (USA)

Guy Boeckstaens (Belgium)

Patrice Cani (Belgium)

Silvio Danese (Italy)

Thomas Gress (Germany)

Arthur Kaser (UK)

Ernst Kuipers (The Netherlands)

Jake Liang (USA)

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** © 2017 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.

## Commentaries

**563** Colorectal cancer cells use the negative feedback regulators of WNT signalling to activate epithelial–mesenchymal transition pathways  
*E Tulchinsky*

**565** A small RNA in neutrophils protects against acute-on-chronic alcoholic liver injury  
*S Wang, W-X Ding*

**567** PGAM5: a new player in immune-mediated liver injury  
*A Ramachandran, H Jaeschke*

## Guidelines

**569** European consensus conference on faecal microbiota transplantation in clinical practice  
*G Cammarota, G Ianiro, H Tilg, M Rajilić-Stojanović, P Kump, R Sotokari, H Sokol, P Arkkila, C Pintus, A Hart, J Segal, M Aloï, L Masucci, A Molinaro, F Scaldaferrì, G Gasbarrini, A Lopez-Sanroman, A Link, P de Groot, W M de Vos, C Högenauer, P Malfertheiner, E Mattila, T Milosavljević, M Nieuwdorp, M Sanguinetti, M Simren, A Gasbarrini, The European FMT Working Group*

## Stomach

**581** Identification of new susceptibility loci for gastric non-cardia adenocarcinoma: pooled results from two Chinese genome-wide association studies  
*Z Wang, J Dai, N Hu, X Miao, C C Abnet, M Yang, N D Freedman, J Chen, L Burdette, X Zhu, C C Chung, C Ren, S M Dawsey, M Wang, T Ding, J Du, Y-T Gao, R Zhong, C Giffen, W Pan, W-P Koh, N Dai, L M Liao, C Yan, Y-L Qiao, Y Jiang, X-O Shu, J Chen, C Wang, H Ma, H Su, Z Zhang, L Wang, C Wu, Y-B Xiang, Z Hu, J-M Yuan, L Xie, W Zheng, D Lin, S J Chanock, Y Shi, A M Goldstein, G Jin, P R Taylor, H Shen*

## Inflammatory bowel disease

**588** Validation of the Inflammatory Bowel Disease Disability Index in a population-based cohort  
*C Gover-Rousseau, H Sarter, G Savoye, N Tavernier, M Fumery, W J Sandborn, B G Feagan, A Duhamel, N Guillon-Dellac, J-F Colombel, L Peyrin-Biroulet, and the International Programme to Develop New Indexes for Crohn's Disease (IPNIC) group*

**597** Raf kinase inhibitor protein mediates intestinal epithelial cell apoptosis and promotes IBDs in humans and mice  
*W Lin, C Ma, F Su, Y Jiang, R Lai, T Zhang, K Sun, L Fan, Z Cai, Z Li, H Huang, J Li, X Wang*

## Gut microbiota

**611** The gut microbial profile in patients with primary sclerosing cholangitis is distinct from patients with ulcerative colitis without biliary disease and healthy controls  
*M Kummén, K Holm, J A Anmarkrud, S Nygård, M Vesterhus, M L Heivik, M Trøseid, H-U Marschall, E Schruppf, B Moum, H Resjø, P Aukrust, T H Karlsen, J R Hov*

**620** Hepatocyte MyD88 affects bile acids, gut microbiota and metabolome contributing to regulate glucose and lipid metabolism  
*T Duparc, H Plovier, V G Marrachelli, M Van Hul, A Essaghir, M Ståhlman, S Matamoros, L Geurts, M M Pardo-Tendero, C Druart, N M Delzenne, J-B Demoulin, S W van der Merwe, J van Pelt, F Bäckhed, D Monleon, A Everard, P D Cani*

**633** Tumour-associated and non-tumour-associated microbiota in colorectal cancer  
*B Flemer, D B Lynch, J M R Brown, I B Jeffery, F J Ryan, M J Claesson, M O'Riordain, F Shanahan, P W O'Toole*

## Endoscopy

**644** Endoscopic mucosal resection for large serrated lesions in comparison with adenomas: a prospective multicentre study of 2000 lesions  
*M Pellise, N G Burgess, N Tuticci, L F Hourigan, S A Zanati, G J Brown, R Singh, S J Williams, S C Raftopoulos, D Ormonde, A Moss, K Byth, H P'Ng, H Mahajan, D McLeod, M J Bourke*

## Colon

**654** Circulating microRNA-203 predicts prognosis and metastasis in human colorectal cancer  
*K Hur, Y Toiyama, Y Okugawa, S Ide, H Imaoka, C R Boland, A Goel*

**MORE CONTENTS ►**



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/>

COPE

Member since 2008

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.

- 666** ZEB1-induced tumorigenesis requires senescence inhibition via activation of DKK1/mutant p53/Mdm2/CtBP and repression of macroH2A1

*O de Barrios, B Györfy, M J Fernández-Aceñero, E Sánchez-Tilló, L Sánchez-Moral, L Siles, A Esteve-Arenys, G Roué, J I Casal, D S Darling, A Castells, A Postigo*

- 683** Global patterns and trends in colorectal cancer incidence and mortality

*M Arnold, M S Sierra, M Laversanne, I Soerjomataram, A Jemal, F Bray*

- 692** Dual role of tumour-infiltrating T helper 17 cells in human colorectal cancer



OPEN ACCESS

*F Amicarella, M G Muraro, C Hirt, E Cremonesi, E Padovan, V Mele, V Governa, J Han, X Huber, R A Drosner, M Zuber, M Adamina, M Bolli, R Rosso, A Lugli, I Zlobec, L Terracciano, L Tornillo, P Zajac, S Eppenberger-Castori, F Trapani, D Oertli, G Iezzi*

## Hepatology

- 705** MicroRNA-223 ameliorates alcoholic liver injury by inhibiting the IL-6-p47<sup>phox</sup>-oxidative stress pathway in neutrophils



OPEN ACCESS

*M Li, Y He, Z Zhou, T Ramirez, Y Gao, Y Gao, R A Ross, H Cao, Y Cai, M Xu, D Feng, P Zhang, S Liangpunsakul, B Gao*

- 716** PGAM5-mediated programmed necrosis of hepatocytes drives acute liver injury

*G-W He, C Günther, A E Kremer, V Thonn, K Amann, C Poremba, M F Neurath, S Wirtz, C Becker*

- 724** Rapid decrease in hepatitis C viremia by direct acting antivirals improves the natural killer cell response to IFN $\alpha$

*E Serti, H Park, M Keane, A C O'Keefe, E Rivera, T J Liang, M Ghany, B Rehermann*

## Obituaries

- 736** Juan Rodés. A successful and extraordinary life of a visionary hepatologist

*A Pares*

- 737** A tribute to Professor Shu Dong Xiao (1931–2016)

*J Y Fang*

## Recent advances in clinical practice

- 738** Novel insight into the role of microbiota in colorectal surgery

*R Bachmann, D Leonard, N Delzenne, A Kartheuser, P D Cani*

## JournalScan

- 750** GI highlights from the literature

*M H McLean*

## PostScript

- 752** Letters

## Editor's quiz: GI snapshot

- 610** An unusual endoscopic ultrasound diagnosis in kidney-transplant patient

*L Barresi, I Tarantino, D Ligresti, G Curcio, A Granata, G Chirarello, M Traina*



**66 (4)**

*Gut* 2017 66: 563-758

---

Updated information and services can be found at:  
<http://gut.bmj.com/content/66/4>

---

*These include:*

**Email alerting  
service**

Receive free email alerts when new articles cite this article. Sign up in the box at the top right corner of the online article.

---

**Notes**

---

To request permissions go to:  
<http://group.bmj.com/group/rights-licensing/permissions>

To order reprints go to:  
<http://journals.bmj.com/cgi/reprintform>

To subscribe to BMJ go to:  
<http://group.bmj.com/subscribe/>