

The magnificent University of Glasgow Cloisters. Glasgow hosts this year's British Society of Gastroenterology Meeting. The Gut family wish all delegates a very successful meeting.

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)

Christian Jobin (USA)

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 WN Shipping USA, 156-15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, USA.

Commentaries

953 A tangled tale of molecular subtypes in pancreatic cancer
S Singh, M C Hasselluhn, A Neeße

954 Plasticity of adult hepatocytes and readjustment of cell fate: a novel dogma in liver disease
F J Cubero, M L Martinez-Chantar

Endoscopy news

957 Virtual reality in GI endoscopy: intuitive zoom for improving diagnostics and training
A Hann, B M Walter, N Mehlhase, A Meining

Oesophagus

960 Prediagnostic circulating markers of inflammation and risk of oesophageal adenocarcinoma: a study within the National Cancer Institute Cohort Consortium
M B Cook, M J Barnett, C H Bock, A J Cross, P J Goodman, G E Goodman, C A Haiman, K-T Khaw, M L McCullough, C C Newton, M-C Boutron-Ruault, E Lund, M Rutegård, M D Thornquist, M Spriggs, C Giffen, N D Freedman, T Kemp, C H Kroenke, L Le Marchand, J Y Park, M Simon, L R Wilkens, L Pinto, A Hildesheim, P T Campbell

Endoscopy

969 Periendoscopic management of direct oral anticoagulants: a prospective cohort study
F Radaelli, L Fuccio, S Paggi, C Hassan, A Repici, E Rondonotti, R Semeraro, M Di Leo, A Anderloni, A Amato, C Trovato, I Bravi, A Buda, M de Bellis, V D'Angelo, S Segato, O Tarantino, A Musso, R Fasoli, L Frazzoni, E Liverani, C Fabbri, E Di Giulio, G Esposito, F Pigò, A Iannone, F Dentali, on behalf of Bowell Group

Inflammatory bowel disease

977 Stopping 5-aminosalicylates in patients with ulcerative colitis starting biologic therapy does not increase the risk of adverse clinical outcomes: analysis of two nationwide population-based cohorts
R C Ungaro, B N Limketkai, C B Jensen, K H Allin, M Agrawal, T Ullman, J-F Colombel, T Jess

985 Evolutionary history of human colitis-associated colorectal cancer
A-M Baker, W Cross, K Curtius, I Al Bakir, C-H R Choi, H L Davis, D Temko, S Biswas, P Martinez, M J Williams, J O Lindsay, R Feakins, R Vega, S J Hayes, I P M Tomlinson, S A C McDonald, M Moorghen, A Silver, J E East, N A Wright, L M Wang, M Rodriguez-Justo, M Jansen, A L Hart, S J Leedham, T A Graham

Neurogastroenterology

996 Randomised placebo-controlled trial of dietary glutamine supplements for postinfectious irritable bowel syndrome
Q Q Zhou, M L Verne, J Z Fields, J J Lefante, S Basra, H Salameh, G N Verne

Gut microbiota

1003 *Lactobacillus rhamnosus* GG protects the intestinal epithelium from radiation injury through release of lipoteichoic acid, macrophage activation and the migration of mesenchymal stem cells
T E Riehl, D Alvarado, X Ee, A Zuckerman, L Foster, V Kapoor, D Thotala, M A Ciorba, W F Stenson

1014 Gut microbiome analysis as a tool towards targeted non-invasive biomarkers for early hepatocellular carcinoma
Z Ren, A Li, J Jiang, L Zhou, Z Yu, H Lu, H Xie, X Chen, L Shao, R Zhang, S Xu, H Zhang, G Cui, X Chen, R Sun, H Wen, J P Lerut, Q Kan, L Li, S Zheng

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/>



Member since 2008

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



Gut: first published as on 1 June 2019. Downloaded from <http://gut.bmj.com/> on August 18, 2022 by guest. Protected by copyright.

Gallbladder

- 1024** Genomic *ERBB2/ERBB3* mutations promote PD-L1-mediated immune escape in gallbladder cancer: a whole-exome sequencing analysis
M Li, F Liu, F Zhang, W Zhou, X Jiang, Y Yang, K Qu, Y Wang, Q Ma, T Wang, L Bai, Z Wang, X Song, Y Zhu, R Yuan, Y Gao, Y Liu, Y Jin, H Li, S Xiang, Y Ye, Y Zhang, L Jiang, Y Hu, Y Hao, W Lu, S Chen, J Gu, J Zhou, W Gong, Y Zhang, X Wang, X Liu, C Liu, H Liu, Y Liu, Y Liu

Pancreas

- 1034** Experimental microdissection enables functional harmonisation of pancreatic cancer subtypes
C Maurer, S R Holmstrom, J He, P Laise, T Su, A Ahmed, H Hibshoosh, J A Chabot, P E Oberstein, A R Sepulveda, J M Genkinger, J Zhang, A C Iuga, M Bansal, A Califano, K P Olive

- 1044** Impact of characteristics of organ failure and infected necrosis on mortality in necrotising pancreatitis
N J Schepers, O J Bakker, M G Besselink, U Ahmed Ali, T L Bollen, H G Gooszen, H C van Santvoort, M J Bruno, for the Dutch Pancreatitis Study Group

- 1052** Switchable CAR-T cells mediate remission in metastatic pancreatic ductal adenocarcinoma
D Raj, M-H Yang, D Rodgers, E N Hampton, J Begum, A Mustafa, D Lorzio, I Garces, D Propper, J G Kench, H M Kocher, T S Young, A Aicher, C Heeschen

Hepatology


- 1065** Molecular predictors of prevention of recurrence in HCC with sorafenib as adjuvant treatment and prognostic factors in the phase 3 STORM trial
R Pinyol, R Montal, L Bassaganyas, D Sia, T Takayama, G-Y Chau, V Mazzaferro, S Roayaie, H C Lee, N Kokudo, Z Zhang, S Torrecilla, A Moenini, L Rodriguez-Carunchio, E Gane, C Verslype, A E Croitoru, U Cillo, M de la Mata, L Lupo, S Strasser, J-W Park, J Camps, M Solé, S N Thung, A Villanueva, C Pena, G Meinhardt, J Bruix, J M Llovet

- 1076** Dysregulated activation of fetal liver programme in acute liver failure
J Hyun, S-H Oh, R T Premont, C D Guy, C L Berg, A M Diehl


- 1088** Association of dietary macronutrient composition and non-alcoholic fatty liver disease in an ageing population: the Rotterdam Study
L J M Alferink, J C Kiefte-de Jong, N S Erler, B J Veldt, J D Schoufour, R J de Knegt, M A Ikeram, H J Metselaar, H L A Janssen, O H Franco, S Darwishi Murad

- 1099** Heterozygous carriage of the alpha1-antitrypsin Pi*Z variant increases the risk to develop liver cirrhosis
P Simad, S Buch, K Hamesch, J Fischer, J Rosendahl, R Schmelz, S Brueckner, M Brosch, C V Heimes, V Woditsch, D Scholten, H D Nischalke, S Janciauskiene, M Mandorfer, M Trauner, M J Way, A McQuillin, M C Reichert, M Krawczyk, M Casper, F Lammert, F Braun, W von Schönfels, S Hinz, G Burmeister, C Hellerbrand, A Teufel, A Feldman, J M Schattenberg, H Bantel, A Pathil, M Demir, J Kluwe, T Boettler, M Ridinger, N Wodarz, M Soyka, M Rietschel, F Kiefer, T Weber, S Marhenke, A Vogel, H Hinrichsen, A Canbay, M Schlatjan, K Sosnowsky, C Sarrazin, J von Felden, A Geier, P Deltenre, B Sipos, C Schafmayer, M Nothnagel, E Aigner, C Datz, F Sticker, M Y Morgan, J Hampe, T Berg, C Trautwein

Recent advances in basic science

- 1108** Role of the microbiome in human development
 *M G Dominguez-Bello, F Godoy-Vitorino, R Knight, M J Blaser*

**Recent advances in clinical practice**

- 1115** Assessment of Crohn's disease-associated small bowel strictures and fibrosis on cross-sectional imaging: a systematic review
 *D Bettenworth, A Bokemeyer, M Baker, R Mao, C E Parker, T Nguyen, C Ma, J Panés, J Rimola, J G Fletcher, V Jairath, B G Feagan, F Rieder, on behalf of the Stenosis Therapy and Anti-Fibrotic Research (STAR) Consortium*


JournalScan

- 1127** GI highlights from the literature
M H McLean

PostScript

- 1130** Letters

Miscellaneous

- 1136** Correction: *Mechanism of mitochondrial permeability transition pore induction and damage in the pancreas: inhibition prevents acute pancreatitis by protecting production of ATP*


Editor's quiz: GI snapshot

- 976** Rare cause of rectal stenosis in a patient with long-term use of Infliximab and Mercaptopurine for ulcerative colitis
N Hammoudi, C Gardair, M-L Tran-Minh, M Allez, J-M Gornet