



Caption: Alte Brücke bridge and Heidelberg castle view. See inside the outstanding paper by Breitkopf-Heinlein and colleagues on liver fibrosis.

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 Boeckxstaens (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: 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 © 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

759 Unravelling the multiple roles of apolipoprotein E in the hepatitis C virus life cycle
P Roingeard, J Dreneau, J-C Meunier

761 NF- κ B mediated transcription of DARPP-32 prevents *Helicobacter pylori*-induced cell death
J L Merchant

763 Shall we blame CD4 T cells for everything?
T F Greden, F Korangy

Guidelines

765 Updated guideline on the management of common bile duct stones (CBDS)
E Williams, I Beekingham, G El Sayed, K Gurusamy, R Sturgess, G Webster, T Young

Oesophagus

783 A randomised trial of endoscopic submucosal dissection versus endoscopic mucosal resection for early Barrett's neoplasia
G Terheggen, E M Horn, M Vieth, H Gabbert, M Enderle, A Neugebauer, B Schumacher, H Neuhaus

Stomach

794 Patterns of PD-L1 expression and CD8 T cell infiltration in gastric adenocarcinomas and associated immune stroma
E D Thompson, M Zahurak, A Murphy, T Cornish, N Cuka, E Abdelfatah, S Yang, M Duncan, N Ahuja, J M Taube, R A Anders, R J Kelly

Helicobacter pylori

802 *Helicobacter pylori*-induced cell death is counteracted by NF- κ B-mediated transcription of DARPP-32
S Zhu, M Soutto, Z Chen, DF Peng, J Romero-Gallo, U S Krishna, A Belkhir, M K Washington, R Peek, W El-Rifai

Inflammatory bowel disease

813 A microbial signature for Crohn's disease
V Pascal, M Pozuelo, N Borrue, F Casellas, D Campos, A Santiago, X Martinez, E Varela, G Sarraiyrouse, K Machiels, S Vermeire, H Sokol, F Guarner, C Manichanh

823 IL-36R signalling activates intestinal epithelial cells and fibroblasts and promotes mucosal healing in vivo
K Scheibe, I Backert, S Wirtz, A Hueber, G Schett, M Vieth, H C Probst, T Bopp, M F Neurath, C Neufert

839 The safety of vedolizumab for ulcerative colitis and Crohn's disease

J-F Colombel, B E Sands, P Rutgeerts, W Sandborn, S Danese, G D'Haens, R Panaccione, E V Loftus, S Sankoh, I Fox, A Parikh, C Milch, B Abhyankar, B G Feagan

GI cancer

852 BVES regulates c-Myc stability via PP2A and suppresses colitis-induced tumourigenesis
B Parang, A M Kaz, C W Barrett, S P Short, W Ning, C E Keating, M K Mittal, R D Naik, M K Washington, F L Revetta, J J Smith, X Chen, K T Wilson, T Brand, D M Bader, W P Tansley, R Chen, T A Brentnall, W M Grady, C S Williams

Gut microbiota

863 Oral versus intravenous iron replacement therapy distinctly alters the gut microbiota and metabolome in patients with IBD
T Lee, T Clavel, K Smirnov, A Schmidt, I Lagkouravdos, A Walker, M Lucio, B Michalke, P Schmitt-Kopplin, R Fedorak, D Haller

872 Periodontitis induced by *Porphyromonas gingivalis* drives periodontal microbiota dysbiosis and insulin resistance via an impaired adaptive immune response
V Blasco-Baque, L Garidou, C Pomié, Q Escoula, P Loubieres, S Le Gall-David, M Lemaire, S Nicolas, P Klopp, A Waget, V Azalbert, A Colom, M Bonnaure-Mallet, P Kemoun, M Serino, R Burcelin

Endoscopy

887 Narrow band imaging optical diagnosis of small colorectal polyps in routine clinical practice: the Detect Inspect Characterise Resect and Discard 2 (DISCARD 2) study
C J Rees, P T Rajasekhar, A Wilson, H Close, M D Rutter, B P Saunders, J E East, R Maier, M Moorghen, U Muhammad, H Hancock, A Jayaprakash, C MacDonald, A Ramadas, A Dhar, J M Mason

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/>

C O P E

Member since 2008

JM00009

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.

Hepatology

- 896** Extracellular lipid-free apolipoprotein E inhibits HCV replication and induces ABCG1-dependent cholesterol efflux



E Crouchet, M Lefèvre, E R Verrier, M A Oudot, T F Baumert, C Schuster

- 908** Hepatic overexpression of cAMP-responsive element modulator α induces a regulatory T-cell response in a murine model of chronic liver disease



N Kuttkat, A Mohs, K Ohl, G Hooiveld, T Longenich, K Tenbrock, F J Cubero, C Trautwein

- 920** Study of hepatitis E virus infection of genotype 1 and 3 in mice with humanised liver

I M Sayed, L Verhoye, L Cocquerel, F Abravanel, L Foquet, C Montpellier, Y Debing, A Farhoudi, C Wychowski, J Dubuisson, G Leroux-Roels, J Neyts, J Izopet, T Michiels, P Meuleman

- 930** Reversal of murine alcoholic steatohepatitis by pepducin-based functional blockade of interleukin-8 receptors



V Wieser, T E Adolph, B Enrich, A Kuliopulos, A Kaser, H Tilg, N C Kaneider

- 939** BMP-9 interferes with liver regeneration and promotes liver fibrosis



K Breitkopf-Heimlein, C Meyer, C König, H Gaitantzi, A Addante, M Thomas, E Wiercinska, C Cai, Q Li, F Wan, C Hellerbrand, N A Valous, M J Hahnel, C Ehling, J G Bode, S Mueller-Bohl, U Klingmüller, J Altenöder, I Ilkavets, M-J Goumans, L J A C Hawinkels, S-J Lee, M Wieland, C Mogler, M P Ebert, B Herrera, H G Augustin, A Sánchez, S Dooley, P ten Dijke

- 955** Quantitative evaluation of human bone mesenchymal stem cells rescuing fulminant hepatic failure in pigs

D Shi, J Zhang, Q Zhou, J Xin, J Jiang, L Jiang, T Wu, J Li, W Ding, J Li, S Sun, J Li, N Zhou, L Zhang, L Jin, S Hao, P Chen, H Cao, M Li, L Li, X Chen, J Li

Book review

- 965** Neoplastic gastrointestinal pathology: an illustrated guide

F Campbell

Recent advances in clinical practice

- 966** Dietary and pharmacological treatment of abdominal pain in IBS

M Camilleri, G Boeckxstaens

JournalScan

- 975** GI highlights from the literature

M H McLean

PostScript

- 978** Letters

Editor's quiz: GI snapshot

- 812** Caecal ulceration in an asymptomatic man

N Wu, J S Freiman



66 (5)

Gut 2017 66: 759-982

Updated information and services can be found at:

<http://gut.bmj.com/content/66/5>

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/>