



Caption: The beautiful Eventyrhaven (Fairy Tale Garden) in Odense, Denmark. The city is the birth place of Hans Christian Andersen. See inside the outstanding article by Nørgård *et al* reporting birth outcomes in women with IBD receiving assisted reproduction

An international journal of gastroenterology and hepatology

Impact Factor: 14.660

#### Editor

Emad El-Omar (Australia)

Deputy Editor (Hepatology)

Alexander Gerbes (Germany)

Deputy Editor (Luminal

Gastroenterology)

William Grady (USA)

Deputy Editor (Endoscopy)

Thomas Rösch (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](mailto:info.gut@bmj.com)

Twitter: @Gut\_BMJ

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** © 2016 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 Nova Techart Private Limited, Bengaluru & 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.

## Leading article

- 721** Chronicles of a cancer foretold: 35 years of gastric cancer risk assessment  
 *M Ruge, R M Genta, D Y Graham, F Di Mario, L G V Coelho, N Kim, P Malfertheiner, K Sugano, V Tsukanov, P Correa*

## Commentaries

- 726** Treating achalasia; more than just flipping a coin  
*P J Kahrilas*
- 727** House dust mite: a new player in intestinal inflammation?  
*M E Wildenberg, G R van den Brink*
- 728** Altered intestinal microbiota as a major driving force in alcoholic steatohepatitis  
*H Tilg, P Mathurin*



## Endoscopy news

- 730** The impact of three-dimensional imaging on polyp detection during colonoscopy: a proof of concept study  
*S Sakata, P M Grove, A R L Stevenson, D G Hewett*

## Oesophagus

- 732** Long-term results of the European achalasia trial: a multicentre randomised controlled trial comparing pneumatic dilation versus laparoscopic Heller myotomy  
*A Moonen, V Annesse, A Belmans, A J Bredenoord, S B des Varannes, M Costantini, B Dousset, J J Elizalde, U Fumagalli, M Gaudric, A Merla, A J Smout, J Tack, G Zaninotto, O R Busch, G E Boeckxstaens*



## Gut microbiota

- 740** Proton pump inhibitors affect the gut microbiome  
 *F Imhann, M J Bonder, A V Vila, J Fu, Z Mujagic, L Vork, E F Tigchelaar, S A Jankipersadsing, M C Cenit, H J M Harmsen, G Dijkstra, L Franke, R J Xavier, D Jonkers, C Wijmenga, R K Weersma, A Zhernakova*
- 749** Proton pump inhibitors alter the composition of the gut microbiota  
 *M A Jackson, J K Goodrich, M-E Maxan, D E Freedberg, J A Abrams, A C Poole, J L Sutter, D Welter, R E Ley, J T Bell, T D Spector, C J Steves*


## Mucosal immunity

- 757** Presence of commensal house dust mite allergen in human gastrointestinal tract: a potential contributor to intestinal barrier dysfunction  
*M K Tulic, M Vivinus-Nébot, A Rekima, S R Medeiros, C Bonnart, H Shi, A Walker, R Dainese, J Boyer, N Vergnolle, T Piche, V Verhasselt*

## Inflammatory bowel disease

- 767** Live birth and adverse birth outcomes in women with ulcerative colitis and Crohn's disease receiving assisted reproduction: a 20-year nationwide cohort study  
 *B M Nørgård, P V Larsen, J Fedder, P S de Silva, M D Larsen, S Friedman*
- 777** Ceramide-CD300f binding suppresses experimental colitis by inhibiting ATP-mediated mast cell activation  
 *T Matsukawa, K Izawa, M Isobe, M Takahashi, A Maehara, Y Yamanishi, A Kaitani, K Okumura, T Teshima, T Kitamura, J Kitaura*
- 788** Deep resequencing of 131 Crohn's disease associated genes in pooled DNA confirmed three reported variants and identified eight novel variants  
*S N Hong, C Park, S J Park, C K Lee, B D Ye, Y S Kim, S Lee, J Chae, J-I Kim, Y-H Kim, IBD Study Group of the Korean Association for the Study of Intestinal Diseases (KASID)*

## Neurogastroenterology

- 797** Decreased miR-199 augments visceral pain in patients with IBS through translational upregulation of TRPV1  
 *Q Q Zhou, L Yang, S Larson, S Basra, S Merwat, A Tan, C Croce, G N Verne*

## Endoscopy

- 806** Efficacy and safety of endoscopic resection of large colorectal polyps: a systematic review and meta-analysis  
*C Hassan, A Repici, P Sharma, L Correale, A Zullo, M Bretthauer, C Senore, C Spada, C Bellisario, P Bhandari, D K Rex*

**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://gut.bmj.com/site/about/guidelines.xhtml#open>



This journal is a member of and subscribes to the principles of the Committee on Publication Ethics  
<http://publicationethics.org/>



**Colon**

- 821** Carcinoembryonic Antigen Cell Adhesion Molecule 1 long isoform modulates malignancy of poorly differentiated colon cancer cells  
*A Arabzadeh, J Dupaul-Chicoine, V Breton, S Hafichenary, S Yumeen, C Turbide, M Saleh, K McGregor, C M T Greenwood, U D Akavia, R S Blumberg, P T Gunning, N Beauchemin*

**Hepatology**

- 830** Intestinal microbiota contributes to individual susceptibility to alcoholic liver disease  
*M Llopis, A M Cassard, L Wrzosek, L Boschat, A Bruneau, G Ferrere, V Puchois, J C Martin, P Lepage, T Le Roy, L Lefèvre, B Langelier, F Cailleux, A M González-Castro, S Rabot, F Gaudin, H Agostini, S Prévot, D Berrebi, D Ciocan, P Jousse, S Naveau, P Gérard, G Perlemuter*
- 840** Kinase analysis in alcoholic hepatitis identifies p90RSK as a potential mediator of liver fibrogenesis  
*O Morales-Ibanez, S Affò, D Rodrigo-Torres, D Blaya, C Millán, M Coll, L Perea, G Odena, T Knorpp, M F Templin, M Moreno, J Altamirano, R Miquel, V Arroyo, P Ginès, J Caballería, P Sancho-Bru, R Bataller*
- 852** Tenofovir monotherapy versus tenofovir and entecavir combination therapy in patients with entecavir-resistant chronic hepatitis B with multiple drug failure: results of a randomised trial  
*Y-S Lim, K S Byun, B C Yoo, S Y Kwon, Y J Kim, J An, H C Lee, Y S Lee*

- 861** Neoangiogenesis-related genes are hallmarks of fast-growing hepatocellular carcinomas and worst survival. Results from a prospective study  
*E Villa, R Critelli, B Lei, G Marzocchi, C Cammà, G Giannelli, P Pontisso, G Cabibbo, M Enea, S Colopi, C Caporali, T Pollicino, F Milosa, A Karampatou, P Todesca, E Bertolini, L Maccio, M L Martinez-Chantar, E Turola, M D Buono, N De Maria, S Ballestri, F Schepis, P Loria, G E Gerunda, L Losi, U Cillo*

**Recent advances in clinical practice**

- 870** Role of bismuth in improving *Helicobacter pylori* eradication with triple therapy  
*M P Dore, H Lu, D Y Graham*

**JournalScan**

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

**PostScript**

- 882** Letters

**Editor's quiz: GI snapshot**

- 787** A rare cause of upper GI bleeding and wasting disease  
*R J van Erp, B Schröppel, T F Barth, T Seufferlein, S A Schmidt, A Meining, A Kleger*

Receive regular table of contents by email.  
Register using this QR code.

