



National Journal Award  
2005

# World Journal of Gastroenterology®

Weekly Established in October 1995

Volume 14 Number 47  
December 21, 2008



## Contents

|                            |      |   |
|----------------------------|------|---|
| <b>EDITORIAL</b>           | 7149 | Role of chemokines and their receptors in viral persistence and liver damage during chronic hepatitis C virus infection<br><i>Larrubia JR, Benito-Martínez S, Calvino M, Sanz-de-Villalobos E, Parra-Cid T</i>  |
| <b>OBSERVER</b>            | 7160 | Crypt region localization of intestinal stem cells in adults<br><i>Freeman HJ</i>   |
| <b>REVIEW</b>              | 7163 | Management of Hinchey II diverticulitis<br><i>Soumian S, Thomas S, Mohan PP, Khan N, Khan Z, Raju T</i>   |
| <b>TOPIC HIGHLIGHT</b>     | 7170 | Laser ablation of hepatocellular carcinoma-A review<br><i>Gough-Palmer AL, Gedroyc WMW</i>  |
| <b>LIVER CANCER</b>        | 7175 | Gamma-aminobutyric acid promotes human hepatocellular carcinoma growth through overexpressed gamma-aminobutyric acid A receptor $\alpha 3$ subunit<br><i>Liu Y, Li YH, Guo FJ, Wang JJ, Sun RL, Hu JY, Li GC</i>  |
| <b>CLINICAL RESEARCH</b>   | 7183 | Usefulness of contrast-enhanced ultrasonography in determining treatment efficacy and outcome after pancreatic cancer chemotherapy<br><i>Sofuni A, Itoi T, Itokawa F, Tsuchiya T, Kurihara T, Ishii K, Tsuji S, Ikeuchi N, Moriyasu F</i>                                 |
| <b>BASIC RESEARCH</b>      | 7192 | Metformin induces apoptosis of pancreatic cancer cells<br><i>Wang LW, Li ZS, Zou DW, Jin ZD, Gao J, Xu GM</i>   |
|                            | 7199 | Tissue array for <i>Tp53</i> , <i>C-myc</i> , <i>CCND1</i> gene over-expression in different tumors<br><i>Liu GY, Luo Q, Xiong B, Pan C, Yin P, Liao HF, Zhuang WC, Gao HZ</i>  |
| <b>RAPID COMMUNICATION</b> | 7208 | Vitamin E treatment for children with chronic hepatitis B: A randomized placebo controlled trial<br><i>Gerner P, Posselt HG, Krahl A, Ballauff A, Innerhofer A, Binder C, Wenzl TG, Zense M, Hector A, Dockter G, Adam R, Neubert J, Claßen M, van Gemmern R, Wirth S</i> |
|                            | 7214 | Transjugular intrahepatic portosystemic shunt-placement increases arginine/asymmetric dimethylarginine ratio in cirrhotic patients<br><i>Siroen MPC, Wiest R, Richir MC, Teerlink T, Rauwerda JA, Drescher FT, Zorger N, van Leeuwen PAM</i>                              |

- 7220 Four-week pegylated interferon  $\alpha$ -2a monotherapy for chronic hepatitis C with genotype 2 and low viral load: A pilot, randomized study  
*Tsubota A, Satoh K, Aizawa M, Takamatsu S, Namiki Y, Ohkusa T, Fujise K, Tajiri H*
- 7225 Pegylated interferon plus ribavirin for genotype 1b chronic hepatitis C in Japan  
*Kogure T, Ueno Y, Fukushima K, Nagasaki F, Kondo Y, Inoue J, Matsuda Y, Kakazu E, Yamamoto T, Onodera H, Miyazaki Y, Okamoto H, Akahane T, Kobayashi T, Mano Y, Iwasaki T, Ishii M, Shimosegawa T*
- 7231 Hepatitis B virus genotypes and lamivudine resistance mutations in Jordan  
*Masaadeh HA, Hayajneh WA, Alqudah EA*
- 7235 Tuberculous peritonitis in children: Report of nine patients and review of the literature  
*Dinler G, Şensoy G, Helek D, Kalaycı AG*
- 7240 Inhibition of hepatic interleukin-18 production by rosiglitazone in a rat model of nonalcoholic fatty liver disease  
*Wang HN, Wang YR, Liu GQ, Liu Z, Wu PX, Wei XL, Hong TP*
- 7247 Liver resection for benign hepatic lesions: A retrospective analysis of 827 consecutive cases  
*Feng ZQ, Huang ZQ, Xu LN, Liu R, Zhang AQ, Huang XQ, Zhang WZ, Dong JH*

**CASE REPORT**

- 7252 Large mucinous cystic neoplasm of the pancreas associated with pregnancy  
*Ikuta S, Aihara T, Yasui C, Iida H, Yanagi H, Mitsunobu M, Kakuno A, Yamanaka N*
- 7256 Primary multiple extragastrointestinal stromal tumors of the omentum with different mutations of *c-kit* gene  
*Terada T*
- 7260 Intraoperative pulmonary hypertension occurred in an asymptomatic patient with pre-existent liver cirrhotic and portal hypertension  
*Lu L, Zhang F, Li XC, Li GQ, Zhang CY, Wang XH*
- 7264 Pregnancy after liver transplantation: Four-year follow-up of the first case in mainland China  
*Xia D, He HY, Xu L, Quan Y, Zuo HQ, Yan LN, Li B, Zeng Y, Pan GD*
- 7267 Undifferentiated embryonal sarcoma of liver in an old female: Case report and review of the literature  
*Ma L, Liu YP, Geng CZ, Tian ZH, Wu GX, Wang XL*

## Contents

**LETTERS TO THE EDITOR** 7271 Differentiation of Behcet's disease from inflammatory bowel diseases: Anti-saccharomyces cerevisiae antibody and anti-neutrophilic cytoplasmic antibody  
*Filik L, Biyikoglu I*

**ACKNOWLEDGMENTS** 7272 Acknowledgments to reviewers of *World Journal of Gastroenterology*

**APPENDIX** 7273 Meetings  
7274 Instructions to authors

**FLYLEAF** I-VII Editorial Board

**INSIDE BACK COVER** Online Submissions

**INSIDE FRONT COVER** Online Submissions

**RESPONSIBLE EDITORS FOR THIS ISSUE**

Assistant Editor: *Hui Li* Review Editor: *Lin Tian* Electronic Page Editor: *Yin-Ping Lin*  
Editor-in-Charge: *Lin Tian* Layout Editor: *Lian-Sheng Ma*

**NAME OF JOURNAL**

*World Journal of Gastroenterology*

**RESPONSIBLE INSTITUTION**

Department of Science and Technology of Shanxi Province

**SPONSOR**

Taiyuan Research and Treatment Center for Digestive Diseases, 77 Shuangta Xijie, Taiyuan 030001, Shanxi Province, China

**EDITING**

Editorial Board of *World Journal of Gastroenterology*, Room 903, Building D, Ocean International Center, No. 62 Dongsihuan Zhonglu, Chaoyang District, Beijing 100025, China  
Telephone: +86-10-59080039  
Fax: +86-10-85381893  
E-mail: wjg@wjgnet.com  
http://www.wjgnet.com

**PUBLISHING**

The WJG Press and Beijing Baishideng BioMed Scientific Co., Ltd., Editorial Department: Room 903, Building D, Ocean International Center, No. 62 Dongsihuan Zhonglu, Chaoyang District, Beijing 100025, China  
Telephone: +86-10-59080039  
Fax: +86-10-85381893  
E-mail: wjg@wjgnet.com  
http://www.wjgnet.com

**PRINTING**

Beijing Kexin Printing House

**OVERSEAS DISTRIBUTOR**

Beijing Bureau for Distribution of Newspapers and Journals (Code No. 82-261)  
China International Book Trading Corporation PO Box 399, Beijing, China (Code No. M4481)

**PUBLICATION DATE**

December 21, 2008

**EDITOR-IN-CHIEF**

Lian-Sheng Ma, *Beijing*

**SUBSCRIPTION**

RMB 50 Yuan for each issue, RMB 2400 Yuan for one year

**CSSN**

ISSN 1007-9327  
CN 14-1219/R

**HONORARY EDITORS-IN-CHIEF**

Montgomery Bissell, *San Francisco*  
James L Boyer, *New Haven*  
Chao-Long Chen, *Kaohsiung*  
Ke-Ji Chen, *Beijing*  
Li-Fang Chou, *Taipei*  
Jacques V Dam, *Stanford*  
Martin H Floch, *New Haven*  
Guadalupe Garcia-Tsao, *New Haven*  
Zhi-Qiang Huang, *Beijing*  
Shinn-Jang Hwang, *Taipei*  
Ira M Jacobson, *New York*  
Derek Jewell, *Oxford*  
Emmet B Keeffe, *Palo Alto*  
Min-Liang Kuo, *Taipei*  
Nicholas F LaRusso, *Rochester*  
Jie-Shou Li, *Nanjing*  
Geng-Tao Liu, *Beijing*  
Lein-Ray Mo, *Tainan*  
Bo-Rong Pan, *Xi'an*  
Fa-Zu Qiu, *Wuhan*  
Eamonn M Quigley, *Cork*  
David S Rampton, *London*  
Rafiq A Sheikh, *Sacramento*  
Rudi Schmid, *Kentfield*<sup>1)</sup>  
Nicholas J Talley, *Rochester*  
Sun-Lung Tsai, *Young-Kang City*  
Guido NJ Tytgat, *Amsterdam*  
Hsiu-Po Wang, *Taipei*  
Jaw-Ching Wu, *Taipei*  
Meng-Chao Wu, *Shanghai*  
Ming-Shiang Wu, *Taipei*  
Jia-Yu Xu, *Shanghai*  
Ta-Sen Yeh, *Taoyuan*  
Ming-Lung Yu, *Kaohsiung*

**STRATEGY ASSOCIATE EDITORS-IN-CHIEF**

Peter Draganov, *Florida*  
Ronnie Fass, *Tucson*  
Hugh J Freeman, *Vancouver*  
John P Geibel, *New Haven*  
Maria C Gutiérrez-Ruiz, *México*

Kazuhiro Hanazaki, *Kochi*

Akio Inui, *Kagoshima*  
Kalpesh Jani, *Vadodara*  
Sanaa M Kamal, *Cairo*  
Ioannis E Koutroubakis, *Heraklion*  
Jose JG Marin, *Salamanca*  
Javier S Martin, *Punta del Este*  
Natalia A Osna, *Omaha*  
Jose Sahel, *Marseille*  
Ned Snyder, *Galveston*  
Nathan Subramaniam, *Brisbane*  
Wei Tang, *Tokyo*  
Alan BR Thomson, *Edmonton*  
Paul Joseph Thuluvath, *Baltimore*  
James F Trotter, *Denver*  
Shingo Tsuji, *Osaka*  
Harry HX Xia, *Hanover*  
Yoshio Yamaoka, *Houston*  
Jesus K Yamamoto-Furusho, *México*

**ASSOCIATE EDITORS-IN-CHIEF**

Gianfranco D Alpini, *Temple*  
Bruno Annibale, *Roma*  
Roger William Chapman, *Oxford*  
Chi-Hin Cho, *Hong Kong*  
Alexander L Gerbes, *Munich*  
Shou-Dong Lee, *Taipei*  
Walter Edwin Longo, *New Haven*  
You-Yong Lu, *Beijing*  
Masao Omata, *Tokyo*

**EDITORIAL OFFICE**

Director: Jian-Xia Cheng, *Beijing*  
Deputy Director: Jian-Zhong Zhang, *Beijing*

**LANGUAGE EDITORS**

Director: Jing-Yun Ma, *Beijing*  
Deputy Director: Xian-Lin Wang, *Beijing*

**MEMBERS**

Gianfranco D Alpini, *Temple*  
BS Anand, *Houston*  
Manoj Kumar, *Nepal*  
Patricia F Lalor, *Birmingham*  
Ming Li, *New Orleans*  
Margaret Lutze, *Chicago*  
Sabine Mihm, *Göttingen*  
Francesco Negro, *Genève*  
Bernardino Rampone, *Siena*  
Richard A Rippe, *Chapel Hill*  
Stephen E Roberts, *Swansea*

**COPY EDITORS**

Gianfranco D Alpini, *Temple*  
Sujit Kumar Bhattacharya, *Kolkata*  
Filip Braet, *Sydney*  
Kirsteen N Browning, *Baton Rouge*  
Radha K Dhiman, *Chandigarh*  
John Frank Di Mari, *Texas*  
Shannon S Glaser, *Temple*  
Eberhard Hildt, *Berlin*  
Patricia F Lalor, *Birmingham*  
Ming Li, *New Orleans*  
Margaret Lutze, *Chicago*  
MI Torrs, *Jaén*  
Sri Prakash Misra, *Allahabad*  
Bernardino Rampone, *Siena*  
Giovanni Musso, *Torino*  
Valerio Nobili, *Rome*  
Osman Cavit Ozdogan, *Istanbul*  
Francesco Perri, *San Giovanni Rotondo*  
Thierry Piche, *Nice*  
Bernardino Rampone, *Siena*  
Richard A Rippe, *Chapel Hill*  
Ross C Smith, *Sydney*  
Daniel Lindsay Worthley, *Bedford*  
George Y Wu, *Farmington*  
Jian Wu, *Sacramento*

**COPYRIGHT**

© 2008 Published by The WJG Press. 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 the prior permission of WJG. Authors are required to grant WJG an exclusive licence to publish.

**SPECIAL STATEMENT**

All articles published in this journal represent the viewpoints of the authors except where indicated otherwise.

**INSTRUCTIONS TO AUTHORS**

Full instructions are available online at <http://www.wjgnet.com/wjg/help/instructions.jsp>. If you do not have web access please contact the editorial office.

**ONLINE SUBMISSION**

<http://wjgnet.com>