



ISSN 1001-5256
CN 22-1108/R
CODEN LGZAEM

临床肝胆病杂志

LINCHUANG GANDANBING ZAZHI

JOURNAL OF CLINICAL HEPATOLOGY

第38卷 第**11**期 2022年11月

Vol. 38 No. 11 Nov. 2022

www.lcgdbzz.org

- / 百种中国杰出学术期刊
- / 中国精品科技期刊
- / 中国精品科技期刊顶尖学术论文(F5000)项目 来源期刊
- / 《科技期刊世界影响力指数(WJCI)报告》收录期刊
- / 中文核心期刊
- / 中国科技核心期刊
- / RCCSE中国核心学术期刊(A)
- / 荷兰《文摘与引文数据库》(Scopus) 来源期刊
- / 美国《化学文摘(网络版)》(CA) 来源期刊
- / 瑞典《期刊公开获取指南》(DOAJ) 来源期刊
- / 瑞士《健康网络首创研究获取》(HINARI) 来源期刊
- / 俄罗斯《文摘杂志》(AJ, VINITI) 来源期刊
- / 美国《艾博思科数据库》(Eh, EBSCOhost) 来源期刊
- / 英国《国际农业与生物科学研究中心》(CABI) 来源期刊
- / 《日本科学技术振兴机构数据库(中国)》(JSTChina) 来源期刊
- / 世界卫生组织《西太平洋地区医学索引》(WPRIM) 来源期刊
- / 美国《剑桥科学文摘》(CSA) 来源期刊
- / 波兰《哥白尼索引》(IC) 来源期刊
- / 美国《乌利希期刊指南(网络版)》(Ulrichsweb) 注册期刊
- / 《中国学术期刊文摘》数据库(CSAD) 来源期刊
- / 《中国学术期刊影子年报》统计源期刊

ISSN 1001-5256



9 771001 525229

F5000



中华人民共和国教育部主管
吉林大学主办

主管:中华人民共和国教育部
主办:吉林大学
编辑出版:《临床肝胆病杂志》编辑部
通信地址:吉林省长春市南昌路176号
邮政编码:130061
电话号码:0431-88782542/3542
电子信箱:lcgdb@vip.163.com
官方网站:www.lcgdbzz.org
官方微信:lcgdbz1985
官方微博:http://weibo.com/lcgdbzz

学术支持:中华医学会肝病学会

名誉主编:庄辉 谭毓铨

顾问:王红阳 王福生 田志刚
刘允怡 朱 诚 汤钊猷
李兆申 汪忠镐 陈可冀
陈孝平 陈培哲 郑树森
侯云德 赵玉沛 闻玉梅
骆抗先 翁心华 斯崇文
曾民德 董家鸿 窦科峰
樊代明 樊 嘉 黎介寿

主 编:贾继东

执行主编:牛俊奇

广告经营许可证号:2201005030549

印 刷:吉林华源印务有限公司

国内发行:中国邮政集团有限公司

吉林省报刊发行分公司

国外发行:中国国际图书贸易集团有限公司

(北京399信箱,100044)

代号:M5995

订 购:全国各地邮局(所)

邮发代号:12-80

国内定价:60元/册;720元/年

中国标准连续出版物号:

ISSN 1001-5256

CN 22-1108/R



网站



微信



微博

作者在本刊发表的文章版权
归《临床肝胆病杂志》编辑部所有

“慢性乙型肝炎特殊人群的早诊早治策略”重点号

本期执行主编:窦晓光

目 次

述评

关注 HBV 感染特殊人群:早诊、早治、早获益 (2441)
李艳伟, 窦晓光

专家论坛

不同人群抗 HBV 治疗的时机和药物选择 (2444)
张烨琼, 罗秋敏, 王璐, 彭亮, 高志良

慢性 HBV 感染孕妇和儿童的抗病毒治疗药物选择及疗效评价
..... (2448)
崔傲雪, 窦晓光, 丁洋

HBV 相关肝细胞癌患者抗病毒药物的选择 (2452)
冯明洋, 王晖

基础慢性肝脏疾病对接受免疫检查点抑制剂治疗的肿瘤患者的
疗效及安全性的影响 (2457)
刘丹, 姚甜甜, 张宇涵, 王贵强, 王艳

指南与规范

改良式经皮肝动脉化疗药盒植入技术中国专家共识(2022版)
..... (2462)
中国抗癌协会肿瘤介入专业委员会, 中国抗癌协会肿瘤介入学
专业委员会化疗与免疫治疗分委会

论著

病毒性肝炎

基于经典测量理论和项目反应理论对慢性病毒性肝炎患者
生命质量量表的评价 (2470)
刘叶, 鲁杰, 李顶春, 李武, 陈一晖

年龄和 D-二聚体联合终末期肝病模型对 HBV 相关慢加急性
肝衰竭患者预后的预测价值 (2478)
董少雨, 孙长宇, 乔芳芳, 刘笑, 张建营

自身免疫性肝病

- T、B 淋巴细胞自噬在自身免疫性肝炎患者外周血中的表达及临床意义 (2483)
伍慧丽, 时红波, 刘燕敏, 严艳, 王玲玲, 丁美, 马正来, 刘晖, 段钟平

肝纤维化及肝硬化

- 声脉冲辐射力成像技术测量的肝脏硬度对肝硬化门静脉高压的诊断价值 (2488)
王曦旋, 丁量子, 程洋, 韩浩, 杨建, 肖江强, 王轶, 张明, 张峰, 诸葛宇征
- 肝硬化食管胃底静脉曲张破裂出血患者再出血预测模型的建立 (2493)
张群, 时克, 王宪波
- 第三代头孢菌素治疗社区获得性自发性细菌性腹膜炎的疗效预测模型 (2499)
朱龙川, 吴蔚, 邹波, 甘达凯, 林学, 周炜, 熊墨龙
- 益生菌对轻微型肝性脑病患者显性肝性脑病发生率影响的 Meta 分析 (2505)
姚俞昊, 张嘉鑫, 夏潇, 朱顺, 李小科, 叶永安

肝脏肿瘤

- 原发性肝癌经肝动脉化疗栓塞术后短期病死率及死因分析 (2510)
刘钊, 李智, 杨凯仑, 李思茵, 朱晓黎, 倪才方
- KRAS 基因突变对经肝动脉化疗栓塞术治疗的中晚期原发性肝癌患者预后的预测价值 (2514)
刘旭初, 覃世运, 陈丽君, 陈娟, 尤晓光
- 基于超声造影 LI-RADS 特征的肝细胞癌微血管侵犯列线图模型的构建及验证 (2520)
奚静, 顾美琴, 包作伟

其他肝病

- 小剂量血浆置换联合双重血浆分子吸附系统/血液灌流治疗慢加急性肝衰竭的效果分析 (2526)
鲁杰, 李顶春, 刘叶, 袁琳娜, 段志文, 李武
- 慢加急性肝衰竭急性静脉曲张出血的危险因素及预后分析 (2532)
刘婉姝, 申力军, 翟庆慧, 辛绍杰, 游绍莉

胆道疾病

- 吲哚菁绿荧光显影在困难胆囊腹腔镜胆囊切除术中的应用价值 (2537)
冯其柱, 王思雨, 张超
- 超声引导下胆道系统引流管更换技术的应用分析 (2542)
张安红, 张瑞昕, 马杰, 邱博, 伊鑫, 鲁志华, 郑立杰, 董汉光, 韩田, 张丽, 姜远辉, 徐钧
- 曲美他嗪对胆管缺血再灌注损伤大鼠模型的影响及其机制 (2546)
张锦锐, 吴昊, 白易, 张雅敏

胰腺疾病

- 不同评分系统预测高脂血症性急性胰腺炎严重程度及预后的价值分析 (2551)
 金秋,杨婧,马红琳,李芊菊,胡绍山,刘清清
- 胰管结石治疗方案的选择分析与比较 (2558)
 董金斌,方卫兵,石益海

病例报告

- 自身免疫性肝炎不典型发作 1 例报告 (2565)
 周梦婷,韩红梅
- 进行性家族性肝内胆汁淤积 3 型 1 例报告 (2568)
 张恬莹,周超,刘卫辉,李贞茂,李良平,雷蕾
- HJV 基因突变致多器官损伤的成人遗传性血色病 1 例报告 (2571)
 吴树铎,詹沂博,李新华,许长磊,曹敏玲,池晓玲
- 表现为进展性多发血管损伤的特发性嗜酸粒细胞增多综合征 1 例报告 (2575)
 熊清芳,任浩,周慧,冯晓宁,刘杜先,钟艳丹,杨永峰
- 不完全性胰腺分裂致慢性胰腺炎 1 例报告 (2578)
 董美丽,张瑞华,李腾飞,王阳,温晓玉

综述

- 慢性乙型肝炎患者 HBeAg 血清学转换影响因素的研究进展 (2581)
 顾子杨,王安辉,何文昌,李佳玉,黄长彤
- 非酒精性脂肪性肝病与慢性肾病关系的研究进展 (2586)
 杨梦茹,韩睿
- 非酒精性脂肪性肝病相关认知功能损伤的危险因素 (2592)
 周斌,贾冉,卫靖靖,赵晨露,尚东方,赵文霞
- 抗病毒治疗对肝纤维化逆转的影响 (2596)
 罗昕,曲颖,蔡晓波,陆伦根
- 肝纤维化相关信号通路及中药活性成分靶向调节作用机制 (2599)
 范文艳,郝君玉,陈虹秀,刘光伟
- 经颈静脉肝内门体分流术治疗肝硬化顽固性腹水的现状 (2606)
 王澜静,姚欣,秦建平,汤善宏
- NLRP3 炎症小体激活促进肝星状细胞活化的机制 (2611)
 彭憬,袁维,银思涵,孙克伟
- 循环肿瘤 DNA 在肝细胞癌中的研究现状及展望 (2616)
 侯志远,刘源,杨超然,赵继森,程树杰
- 肝细胞癌肿瘤免疫微环境中 T 淋巴细胞的功能与调控机制 (2621)
 韩孟奎,李晋,杨小华
- 肝细胞癌中细胞因子信号传导抑制因子 1 与调节性 T 淋巴细胞/辅助性 T 淋巴细胞 17 平衡的关系
 (2627)
 宋瑞,李静,杨红菊,李敏玥,游晶
- 免疫检查点 TIGIT/CD155 对原发性肝癌免疫微环境的调控作用及应用展望 (2632)
 姚帆,殷欣

中医药调控上皮-间质转化抑制肝癌转移的研究进展	(2636)
王玉,张春蕾,汤凯悦,郑培永,宋海燕	
骨髓间充质干细胞及其外泌体治疗终末期肝病的研究进展	(2643)
梁悦,胡永红,刘伟,慕永平,陈佳美,刘平	
巨噬细胞极化在非肿瘤性肝脏疾病中的作用机制及其靶向治疗	(2649)
陈玮钰,覃小宾,乐滢玉,王涵,隆晓荣,毛德文	
肝细胞极性调控	(2654)
毛元鹏,魏红山	
竞争性内源 RNA 在胆管细胞癌发生发展中的作用	(2659)
徐宝麟,成雨,魏勇	
急性胰腺炎肝损伤的分子机制	(2663)
徐文倩,郭敏,王晓,吴瑶麒,张近远,李合国	
系统免疫炎症指数与胰腺癌预后的相关性	(2669)
周发权,陈师,孙红玉,汤礼军	

国外期刊精品文章简介

<i>Journal of Viral Hepatitis</i> 不同肝病基础的乙型肝炎相关慢加急性肝衰竭患者的预后及可逆性研究	(2545)
<i>Hepatology</i> G 蛋白偶联胆汁酸受体 1 和半胱氨酸白三烯受体 1 的相互作用揭示胆汁酸和白三烯在药物性肝损伤中的影响机制	(2550)
<i>Journal of Viral Hepatitis</i> 马来酸恩替卡韦治疗以 B 或 C 型为主的中国慢性乙型肝炎患者 240 周的疗效	(2662)

消息

《临床肝胆病杂志》2023 年征稿征订启事	(2504)
《临床肝胆病杂志》2023 年 1-5 期重点号选题及各期执行主编	(2536)
《临床肝胆病杂志》对基金项目论文免费审理优先发表	(2580)

志谢

本期审稿专家	(2570)
--------------	--------

Supervisor

Ministry of Education of the People’s
Republic of China

Sponsor

Jilin University

Editing & Publishing

Editorial Board of Journal of Clinical Hepatology
Common. Add: 176 NanChang Road,
Changchun, China

Post Code: 130061

Tel: 86 –431 –88782542; 86 –431 –88783542

E –mail: lcgdb@vip. 163. com

http: //www. lcgdbzz. org

Academic Support

Chinese Society of Hepatology,
Chinese Medical Association

Honorary Editors –in –Chief

ZHUANG Hui, TAN Yuquan

Consultants

WANG Hongyang, WANG Fusheng,
TIAN Zhigang, LIU Yunyi, ZHU Cheng,
TANG Zhaoyou, LI Zhaoshen, WANG Zhonggao,
CHEN Keji, CHEN Xiaoping, CHEN Peizhe,
ZHENG Shusen, HOU Yunde, ZHAO Yupei,
WEN Yumei, LUO Kangxian, WENG Xinhua,
SI Chongwen, ZENG Minde, DONG Jiahong,
DOU Kefeng, FAN Daiming, FAN Jia, LI Jieshou

Editor –in –Chief

JIA Jidong

Executive Deputy Chief Editor

NIU Junqi

The Advertising Business License

2201005030549

Printing Unit

Jilin Huayuan Printing Co. ,Ltd.

Issuing Scope

Public issue

Overseas Distributor

China International Book Trading Corporation
P. O. Box 399, Beijing 100044, China
Code No. M5995
Dewey #: 616.362; CODEN LGZAEM
Send by mail cod No. : 5995M
CNY 60/Copy, CNY 720/Year

**Copyright @ by the Journal of
Clinical Hepatology**

Theme Issue: Early Diagnosis and Treatment Strategy for Chronic
Hepatitis B Special Populations

Executive Chief Editor: DOU Xiaoguang

Contents

Editorial

Focus on the special population with hepatitis B virus infection:
Early diagnosis, early treatment, and early benefits (2441)
LI Yanwei, DOU Xiaoguang

Discussions by Experts

Anti –HBV therapy timing and drug selection in various populations ... (2444)
ZHANG Yeqing, LUO Qiumin, WANG Lu, PENG Liang, GAO Zhiliang

Antiviral therapy for pregnant women and children with chronic HBV infection
..... (2448)
CUI Aoxue, DOU Xiaoguang, DING Yang

Selection of antiviral drugs for patients with hepatitis B virus – associated
hepatocellular carcinoma (2452)
FENG Mingyang, WANG Hui

Efficiency and safety of immune checkpoint inhibitors in cancer patients with
chronic liver disease: A systematic review (2457)
LIU Dan, YAO Tiantian, ZHANG Yuhan, WANG Guiqiang, WANG Yan

Guideline

Chinese expert consensus on the modified implantation technique of
port – catheter system for percutaneous hepatic arterial
infusion chemotherapy(version 2022) (2462)
*Professional Committee of Oncology Intervention, China Anti – Cancer Association;
Sub –committee of Chemotherapy and Immunotherapy, Professional Committee of
Oncology Intervention, China Anti – Cancer Association*

Original Articles

Viral Hepatitis

Evaluation of quality of life instruments for chronic diseases – chronic hepatitis
(V2.0) based on classical test theory and item response theory (2470)
LIU Ye, LU Jie, LI Dingchun, LI Wu, CHEN Yihui

- Value of age and D – dimer combined with Model for End – Stage Liver Disease in predicting the prognosis of patients with hepatitis B virus – related acute – on – chronic liver failure (2478)
DONG Shaoyu, SUN Changyu, QIAO Fangfang, LIU Xiao, ZHANG Jianying

Autoimmune Liver Disease

- Expression of autophagy marker in peripheral blood T and B lymphocytes of patients with autoimmune hepatitis and its clinical significance (2483)
WU Huili, SHI Hongbo, LIU Yanmin, YAN Yan, WANG Lingling, DING Mei, MA Zhenglai, LIU Hui, DUAN Zhongping

Liver Fibrosis and Liver Cirrhosis

- Value of liver stiffness measured by acoustic radiation force impulse in diagnosis of cirrhotic portal hypertension (2488)
WANG Xixuan, DING Liangzi, CHENG Yang, HAN Hao, YANG Jian, XIAO Jiangqiang, WANG Yi, ZHANG Ming, ZHANG Feng, ZHUGE Yuzheng

- Developing the prediction model of esophagogastric variceal rebleeding in patients with liver cirrhosis based on artificial neural network (2493)
ZHANG Qun, SHI ke, WANG Xianbo

- Establishment of a model for predicting the efficacy of third – generation cephalosporin in treatment of community – acquired spontaneous bacterial peritonitis (2499)
ZHU Longchuan, WU Wei, ZOU Bo, GAN Dakai, LIN Xue, ZHOU Wei, XIONG Molong

- Effect of probiotics in preventing overt hepatic encephalopathy in patients with minimal hepatic encephalopathy: A Meta – analysis (2505)
YAO Yuhao, ZHANG Jiabin, XIA Xiao, ZHU Shun, LI Xiaoke, YE Yong'an

Liver Neoplasms

- Short – term mortality and death causes after TACE in patients with primary liver cancer (2510)
LIU Zhao, LI Zhi, YANG Kailun, LI Siyin, ZHU Xiaoli, NI Caifang

- Prognostic value of KRAS mutations in patients with advanced primary liver cancer treated with transcatheter arterial chemoembolization (2514)
LIU Xuchu, QIN Shiyun, CHEN Lijun, CHEN Juan, YOU Xiaoguang

- Construction and validation of a nomogram model for microvascular invasion in hepatocellular carcinoma based on the characteristics on contrast – enhanced ultrasound Liver Imaging Reporting and Data System (2520)
XI Jing, GU Meiqin, BAO Zuowei

Other Liver Diseases

- Clinical efficacy of low – dose plasma exchange combined with double plasma molecular absorption system/hemoperfusion in treatment of acute – on – chronic liver failure (2526)
LU Jie, LI Dingchun, LIU Ye, YUAN Linna, DUAN Zhiwen, LI Wu

- Risk factors for acute variceal bleeding in acute – on – chronic liver failure and its influence on prognosis (2532)
LIU Wanshu, SHEN Lijun, ZHAI Qinghui, XIN Shaojie, YOU Shaoli

Biliary Diseases

- Application value of indocyanine green fluorescence imaging in laparoscopic cholecystectomy of difficult gallbladder (2537)
FENG Qizhu, WANG Siyu, ZHANG Chao

Application and clinical evaluation of ultrasound – guided biliary drainage tube replacement technology (2542)
ZHANG Anhong, ZHANG Ruixin, MA jie, QIU Bo, YI Xin, LU Zhihua, ZHENG Lijie, DONG Hanguang, HAN Tian, ZHANG Li, JIANG Yuanhui, XU Jun

Effect of trimetazidine on a rat model of bile duct ischemia – reperfusion injury and its mechanism (2546)
ZHANG Jinrui, WU Hao, BAI Yi, ZHANG Yamin

Pancreatic Diseases

Value of different scoring systems in predicting the severity and prognosis of hyperlipidemic acute pancreatitis (2551)
JIN Qiu, YANG Jing, MA Honglin, LI Pingju, HU Shaoshan, LIU Qingqing

Selection of treatment regimens for pancreatic duct stones: A comparative analysis (2558)
DONG Jinbin, FANG Weibing, SHI Yihai

Case Reports

A diagnosis of atypical autoimmune hepatitis: A case report (2565)
ZHOU Mengting, HAN Hongmei

A case of type 3 progressive familial intrahepatic cholestasis (2568)
ZHANG Tianying, ZHOU Chao, LIU Weihui, LI Zhenmao, LI Liangping, LEI Lei

Hereditary hemochromatosis with multiple organ damage caused by HJV gene mutation in adults: A case report (2571)
WU Shuduo, ZHAN Yibo, LI Xinhua, XU Changlei, CAO Minling, CHI Xiaoling

A case of idiopathic hypereosinophilic syndrome presenting with progressive multiple vascular lesions (2575)
XIONG Qingfang, REN Hao, ZHOU Hui, FENG Xiaoning, LIU Duxian, ZHONG Yandan, YANG Yongfeng

Chronic pancreatitis caused by incomplete pancreas division: A case report (2578)
DONG Meili, ZHANG Ruihua, LI Tengfei, WANG Yang, WEN Xiaoyu

Reviews

Influencing factors for HBeAg seroconversion in patients with chronic hepatitis B (2581)
GU Ziyang, WANG Anhui, HE Wenchang, LI Jiayu, HUANG Changxing

Research advances in the relationship between nonalcoholic fatty liver disease and chronic kidney disease (2586)
YANG Mengru, HAN Rui

Risk factors for cognitive impairment associated with nonalcoholic fatty liver disease (2592)
ZHOU Cheng, JIA Ran, WEI Jingjing, ZHAO Chenlu, SHANG Dongfang, ZHAO Wenxia

Effects of antiviral therapy on the reversal of liver fibrosis (2596)
LUO Xin, QU Ying, CAI Xiaobo, LU Lungen

Research progress on signal pathways in hepatic fibrosis and targeted regulation mechanisms of active ingredients from traditional Chinese medicine (2599)
FAN Wenyan, HAO Junyu, CHEN Hongxiu, LIU Guangwei

TIPS for treatment of refractory ascites in cirrhosis (2606)
WANG Lanjing, YAO Xin, QIN Jianping, TANG Shanrong

Mechanism of NLRP3 inflammasome promoting hepatic stellate cell activation (2611)
PENG Jing, YUAN Wei, YIN Sihan, SUN Kewei

Current research status and prospect of circulating tumor DNA in hepatocellular carcinoma	(2616)
<i>HOU Zhiyuan, LIU Yuan, YANG Chaoran, ZHAO Jisen, CHENG Shujie</i>	
Function and regulatory mechanism of T lymphocytes in tumor immune microenvironment of hepatocellular carcinoma	(2621)
<i>HAN Mengkui, LI Jin, YANG Xiaohua</i>	
Role of signal transducer and activator of transcription 1 in regulation of Treg/Th17 balance in hepatocellular carcinoma	(2627)
<i>SONG Rui, LI Jing, YANG Hongju, LI Minyue, YOU Jing</i>	
Regulatory effect of immune checkpoint TIGIT/CD155 on the immune microenvironment of primary liver cancer and its application prospects	(2632)
<i>YAO Fan, YIN Xin</i>	
Research advances in traditional Chinese medicine in regulating epithelial – mesenchymal transformation to inhibit hepatocellular carcinoma metastasis	(2636)
<i>WANG Jue, ZHANG Chunlei, TANG Kaiyue, ZHENG Peiyong, SONG Haiyan</i>	
Research advances in bone marrow mesenchymal stem cells and its exosomes in treatment of end – stage liver disease	(2643)
<i>LIANG Yue, HU Yonghong, LIU Wei, MU Yongping, CHEN Jiamei, LIU Ping</i>	
Mechanism of action of macrophage polarization in non – neoplastic liver diseases and related targeted therapies	(2649)
<i>CHEN Weiyu, QIN Xiaobin, LE Yingyu, WANG Han, LONG Xiaorong, MAO Dewen</i>	
Regulation of hepatocyte polarity	(2654)
<i>MAO Yuanpeng, WEI Hongshan</i>	
The role of competitive endogenous RNA in the development of cholangiocarcinoma	(2659)
<i>XU Baolin, CHENG Yu, WEI Yong</i>	
Molecular mechanism of liver injury in acute pancreatitis	(2663)
<i>XU Wenqian, GUO Min, WANG Xiao, WU Yaoqi, ZHANG Jinyuan, LI Heguo</i>	
Correlation of systemic immune – inflammation index and pancreatic cancer prognosis, recent research progress	(2669)
<i>ZHOU Faquan, CHEN Shi, SUN Hongyu, TANG Lijun</i>	

Introduction of High – quality Articles in Foreign Journals

<i>Journal of Viral Hepatitis</i> Reversibility of acute – on – chronic liver failure syndrome in hepatitis B virus – infected patients with and without prior decompensation	(2545)
<i>Hepatology</i> Combinatorial targeting of G – protein – coupled bile acid receptor 1 and cysteinyl leukotriene receptor 1 reveals a mechanistic role for bile acids and leukotrienes in drug – induced liver injury	(2550)
<i>Journal of Viral Hepatitis</i> 240 – week entecavir maleate treatment in Chinese chronic hepatitis B predominantly genotype B or C	(2662)

Thanks

Current reviewers	(2570)
-------------------------	--------