

现代生物医学进展

XIANDAI SHENGWUYIXUE JINZHAN

半月刊 2001年4月创刊 第10卷 第7期 2010年4月15日出版 Progress in Modern Biomedicine

主管:黑龙江省卫生厅
主办:黑龙江省红十字医院
哈尔滨医科大学附属第四医院
协办:哈尔滨工业大学
上海交通大学附属第一人民医院
东南大学临床医学院
海南省第二人民医院
编辑:现代生物医学进展编辑委员会
150040 哈尔滨市和兴路32号
电话:0451-82583800
E-mail:biomed_54@126.com
E-mail:Biomagnetism@163.com
http://www.shengwuyixue.com
http://swcx.periodicals.net.cn
学术顾问: 杨宝峰 刘颂豪
阮长耿 曾溢滔 贺林
傅世英 王迺谦 刘玉清
郝希山 曾益新 张岂凡
主编: 申宝忠
执行主编: 崔建华
执行副主编: 孟庆刚
副主编: 李钰 张贵祥
黄菊芳 唐一源 曾凡一
邓红文 黄培林 刘明
代文杰 张清媛
编辑部主任: 刘同奎
编辑部副主任:
谢建平 曾乐平 郑林丰
编辑部地址:150001, 哈尔滨市54号信箱
(哈尔滨市花园街184号)
电话:0451-82583800 0451-53658268
传真:0451-82583966
出版:现代生物医学进展杂志社
广告经营许可证:2301004050020
印刷:哈尔滨市工大节能印刷厂
发行:国内:哈尔滨市报刊发行局
国外:中国国际图书贸易总公司
(北京399信箱,100044)
国外发行代号:Q1728
订购:全国各地邮局
邮发代号:14-12
邮购:现代生物医学进展编辑部
(150001 哈尔滨市54号信箱)
定价:30.00元/期,全年720.00元
中国标准刊号: ISSN 1673-6273
CN 23-1544/R
2010年版权归现代生物医学进展杂志社所有
本刊刊出的所有文章不代表编委会的观点,
除非特别声明 本刊如有印刷质量问题,请向
现代生物医学进展杂志编辑部调换

目次

·论著·

·基础研究·

- 骨髓来源的间充质干细胞分化能力的鉴定(英文)
..... 张锦芳 李国 张雅鸥等 (1201)
- 人IL-12重组逆转录病毒载体在HeLa细胞中的表达
..... 张巨峰 陈艳娜 张文峰等 (1205)
- 七叶皂苷对P-糖蛋白功能的影响
..... 刘丽娟 胡东莉 李汇娟等 (1208)
- 大鼠肝硬化形成中气体信号分子一氧化氮、一氧化碳对
硫化氢/胱硫醚-γ-裂解酶体系的影响
..... 宋丽秀 郑勇 陈卫刚等 (1213)
- RUNX3、SLC22A4和PPAR-γ的基因多态性与溃疡性
结肠炎的关系
..... 姚芳芳 郭长存 丁杰等 (1217)
- MRI体外示踪SPIO标记人脐带间充质干细胞的实验研究
..... 秦金保 沈尊理 祝加学等 (1220)
- 慢性吗啡处理及戒断后大鼠海马CA1区钙结合
蛋白Calbindin的表达变化
..... 蒋丽珠 赵红念 李云等 (1224)
- 黄芩甲甙干预大鼠肺纤维化相关基因的时空表达
..... 贾鹏 张平 于小华等 (1227)
- HLA-DQB1基因多态性与新疆汉族人群结核病易感性的研究
..... 刘五彩 王喜 贺鹏等 (1232)
- PPAR-γ激动剂罗格列酮能抑制纤维连接蛋白诱导的肺成
纤维细胞向肌成纤维细胞转化
..... 张晓光 刘新民 (1235)
- 慢性多重应激大鼠心律失常及维拉帕米的抑制作用
..... 李福平 高凌云 肖颖彬 (1238)
- 至真方对人大肠癌细胞株HCT8/VCR多药耐药的逆转
作用及P-gp表达的影响
..... 陈志霞 孔令春 孙玉舫等 (1242)
- GM6001对兔LASEK术后角膜组织影响的共聚焦显微镜研究
..... 陈晓玲 高晓唯 李保江 (1247)

现代生物医学进展

XIANDAI SHENGWUYIXUE JINZHAN

半月刊 2001 年 4 月创刊 第 10 卷 第 7 期 2010 年 4 月 15 日出版 Progress in Modern Biomedicine

nm23-H1 蛋白在骨髓增生异常综合征患者不同分型中的表达变化及临床意义

..... 陈颖洁 姜国胜 (1252)

新型战伤急救止血剂体外细胞毒性研究 赵聪颖 陈绍宗 吕小星等 (1256)

CCR7 和 B7-2 在抗原负载树突状细胞诱导特异性 CTL 抗肿瘤效应中的表达和意义

..... 杨春玲 宋承鑫 贾立敏等 (1261)

急性酒精中毒合并中度创伤性脑损伤大鼠海马 AQP4 的表达(英文) ... 田海文 卢大华 李昌琪 (1265)

AGEs 通过 SDF-1/CXCR4 轴信号通路对心肌微血管内皮细胞血管新生的影响及机制

..... 粟妍晖 李 飞 王冬娟等 (1270)

hKCNQ1/hKCNQ2 嵌合体的构建,表达及电生理学特性 王平安 李小青 刘 艳等 (1273)

运动对 SD 大鼠脑组织 MDA、SOD 和 NGF 含量的影响 顾丽燕 赵娜娜 梁丹丹 (1277)

慢性溴氰菊酯摄取对大鼠胃黏膜损伤及 P 物质的表达的影响(英文)

..... 陈宗慧 吴 梅 马晓梅等 (1280)

七种 Mg^{2+} 转运体在出生后不同时期小鼠心肌细胞的表达 房伟伟 滕飞翔 王淑瑾等 (1284)

·临床研究·

特异 AT 序列结合蛋白 1 在卵巢癌的表达及临床病理学意义 向江东 李双弟 张佳荣等 (1287)

慢性心力衰竭患者胱抑素 C 的变化及意义 张 良 周胜华 方臻飞等 (1291)

慢性阻塞性肺疾病患者外周血 $CD4^+CD25^+CD127^{(Low)}$ 调节性 T 细胞的检测及临床意义

..... 李向阳 曾宪升 何江玲 (1294)

骨肉瘤中抗骨桥蛋白抗体与化疗药物联合应用的实验研究 商冠宁 吕 刚 马 旭 (1297)

移植后糖尿病与钙调神经蛋白免疫抑制剂使用的危险分析 谢添成 史道华 颜鑫滨 (1302)

细胞学结合高危型 HPV-DNA 检测在宫颈病变筛查中的应用 刘 娜 付睿婷 阿曼古丽等 (1305)

青年肺癌与老年肺癌的临床及病理表现对比分析 周 辉 汪安兰 易 青等 (1308)

普氏摆现象形成机制的探讨 汪 亮 邱锦辉 杨仲乐 (1311)

胃癌组织中 MMP-7 和 TIMP-1 的表达及意义 王美兰 刘 霞 于春玲等 (1315)

幽门螺杆菌感染与胃癌侵袭转移及 COX-2 和 MMP-9 表达的关系

..... 李迪胜 邓香山 程 峰等 (1319)

幕下小脑上入路松果体区神经内镜解剖学研究 陈红庆 师 蔚 刘重霄等 (1322)

61 例肺结核影像学表现及血清腺苷脱氨酶检测 钟如良 梁小平 张志能 (1325)

TGF- β 1 表达与乙肝患者肝纤维化的关系及临床意义 段 军 蒋永芳 (1328)

腹腔镜手术治疗卵巢冠囊肿 254 例临床分析 张 佳 张 凯 崔建营等 (1331)

新生儿窒息与血管内皮生长因子和胰岛素样生长因子-1 的关系 刘红梅 李芳君 (1334)

急性缺血性脑卒中血清肌钙蛋白-T 的检测及临床意义 刘小军 廖貽刚 毛政康等 (1336)

气管内错构瘤经纤支镜下摘除术 2 例报告及文献复习 万珏善 齐 栩 黄 茂等 (1339)

颈内动脉海绵窦瘘的临床表现及影像学诊断 伍小勇 李 然 (1342)

TUNEL 法探讨 UCP2 敲除对糖尿病心肌细胞凋亡的影响 李秀珍 谭若芸 鲁 翔 (1346)

现代生物医学进展

XIANDAI SHENGWUYIXUE JINZHAN

半月刊 2001 年 4 月创刊 第 10 卷 第 7 期 2010 年 4 月 15 日出版 Progress in Modern Biomedicine

参芪扶正注射液联合化疗治疗原发性肝癌的临床疗效观察	刘国栋 肖桂林 (1348)
高龄患者腹腔镜结直肠癌根治术围手术期对机体应激及内脏蛋白的影响(英文)	律玉臣 张建立 孙振清 (1351)
川芎嗪调节自发糖尿病肾病鼠 III 型前胶原表达的实验研究	王清华 敖翔 谭华清等 (1356)
冠心病患者血清 CRP 的变化及其临床意义	王淑琴 段霄燕 陈兴敏等 (1360)
社区糖尿病患者护理干预后效果观察	胡芸 王宁霞 陈萍等 (1364)
昏迷患者压疮发生原因、预防及治疗护理对策探讨	刘飞岚 刘海霞 袁三云等 (1367)
·生物医学教学·	
留学生组织学全英文教学的探索与实践	王倩 慕晓玲 周宗瑶等 (1369)
PBL 教学模式在《护理学基础》技能教学中的探索	许霞 李自亨 张因因 (1371)
·专论与综述·	
心力衰竭时 β 肾上腺素受体亚型对心脏调节作用的变化及其临床意义	单雨 宫海滨 王秀力等 (1374)
ROS 介导 JNK 信号通路的研究进展	刘乐江 唐圣松 (1378)
关于 mGluR 在脆性 X 综合征发病机制中的研究新进展	毛利冰 陈胜强 (1381)
多耐药基因与子宫颈癌化疗	李文婷 王英红 (1385)
组织工程肺发生的研究进展	胡丰庆 邹良建 (1389)
激光共聚焦显微内镜在大肠疾病诊断中的应用现状及进展	朱敏 李明阳 杨云生 (1392)
牙科焦虑的病因及心理干预的研究进展	阮宁 张桂青 (1395)
循环肿瘤细胞在乳腺癌预后评价中的应用和意义	童迪夷 裔海鹰 黄雷 (1398)
·重要信息·	
美国《化学文摘》2009 年引文频次最高的 1000 种期刊表公布 -	
< 现代生物医学进展 > 名列第 234 位	(1269)
曾凡一副主编荣获中国青年女科学家奖	(1246)
关于 2010 年继续开展“生物医学”优秀论文评选活动的通知	(1207)
《现代生物医学进展》被英国 Global Health 数据库收录	(1255)
会议征稿:2010 年第十届全国脂质与脂蛋白学术会议征稿通知(第一轮)	(1251)
封面说明	(1260)
更正声明	(1279)
·科学快讯·	
《自然》:破解整合酶的三维结构	(I)
《现代生物医学进展》杂志简介及投稿指南	(V)

责任编辑:崔玉宝、屈飞、朱崇涛、刁文一、刘超、曾六旺、彭灿、黄文、黄良、刘俊、谢俊强、李强翔

英文编辑:符波、朱杰、许愿忠、靳大川、王娟、岳颖、陈芸芸

执行编辑:李建明、杨尚琴、曾乐平、朱英杰、徐爱玲、郑林丰

封面设计:曾乐平、彭安安

Progress in Modern Biomedicine

Established in April 2001

Volume 10 Number 7

April 15 2010

Responsible: The public Health Bureau of
Heilongjiang province
Sponsor: Heilongjiang province the Red Cross
hospital
The Fourth Hospital of Harbin Medical
University
Cosponsor: Harbin Institute of Technology
Shanghai Jiao Tong University
Affiliated First People's Hospital
Clinical Medical College, Southeast University
Hainan Province Second People's Hospital
Editing: Editorial Board of Progress in Modern
Biomedicine
No.32, Hexing Road, Harbin 150040
Tel:(0451) 82583800
<http://www.shengwuyixue.com>
<http://swcx.periodicals.net.cn>
E-mail: biomed_54@126.com
E-mail: Biomagnetism@163.com
Academic Adviser: YANG Bao-feng
LIU Song-hao RUAN Chang-geng
ZENG Yi-tao HE Lin
FU Shi-ying WANG Nai-qian
LIU Yu-qing HAO Xi-shan
ZENG Yi-xin ZHANG Qi-fan
Editor-in-chief:
SHEN Bao-zhong
Executive-Editor-in-chief:
CUI Jian-hua
Associate-Executive-Editor-in-chief:
MENG Qing-gang
Associate Editor-in-chief: LI Yu
ZHANG Gui-xiang HUANG Ju-fang
TANG Yi-yuan ZENG Fan-yi
DENG Hong-wen HUANG Pei-lin
LIU Ming DAI Wen-jie
ZHANG Qing-yuan
Managing Director:
LIU Tong-kui
Managing Associate Director:
XIE Jian-ping ZENG Le-ping
ZHENG Lin-feng
Address of Editorial Department:
150001, Harbin No.54 Post-office box
(Harbin garden street No.184)
Tel: 0451-82583800 0451-53658268
E-mail: Liudhui_21@126.com
E-mail: Biomagnetism@163.com
Publishing: House, Journal of Progress in Modern
Biomedicine
Printing: Harbin city Gongda save energy
printing House
Overseas Distributor: China International
Book Trading corporation.
P.O Box 399, Beijing, code No.Q1728
Mail-Order: Editorial Department of publishing
House, Progress in Modern Biomedicine
Harbin 54 Post-office box, Harbin 150001
Tel: 0451-53658268 0451-82583800
CSSN: ISSN 1673-6273
CN 23-1544/R
Copyright©2010 by the publishing
House of Progress in Modern Biomedicine
All articles published represent the opinions of the
authors, do not reflect the official policy of the
Editorial Board of Progress in Modern Biomedicine
unless this is clearly specified.

Contents in Brief

ORIGINAL ARTICLES

·BASIC RESEARCH·

Differential Potentials of Human Mesenchymal Stem

Cells Derived from Bone Marrow

ZHANG Jin-fang, LI Guo, ZHANG Ya-ou, et al

..... (1201)

Construction of recombinant retroviral vector carrying IL-12

gene and identification of its expression in HeLa cells

ZHANG Ju-feng, CHEN Yan-na, ZHANG Wen-feng, et al

..... (1205)

Effect of aescin on P-glycoprotein activity

LIU Li-juan, HU Dong-li, LI Hui-juan, et al

..... (1208)

Effect of nitric oxide and carbon monoxide on hydrogen sulfide/ cystathionine- γ -lyase in rats with hepatic cirrhosis

SONG Li-xiu, ZHENG Yong, CHEN Wei-gang, et al

..... (1213)

Polymorphisms in RUNX3, SLC22A4 and PPAR- γ

in ulcerative colitis

YAO Fang-fang, GUO Chang-cun, JING Jie, et al

..... (1217)

Human umbilical cord mesenchymal stem cells :marked with superparamagnetic iron oxide (SPIO) particles and labeled with MRI in vitro

QIN Jin-bao, SHEN Zun-li, ZHU Jia-xue, et al

..... (1220)

Expression of Calbindin in CA1 Area of Hippocampus

in Rats after Chronic Morphine Treatment and Withdrawal

JIANG Li-zhu, ZHAO Hong-nian, LI Yun, et al

..... (1224)

Pulmonary Fibrosis in Rats: Pathogenic Gene and Intervention

Therapy of Astragaloside

JIA Peng, ZHANG Ping, YU Xiao hua, et al

..... (1227)

Progress in Modern Biomedicine

Established in April 2001

Volume 10 Number 7

April 15 2010

Association of Polymorphism of HLA-DQB1 Gene with Susceptibility to Tuberculosis

in Han Population in Xinjiang

LIU Yu-cai, WANG Xi, HE Peng, et al (1232)

PPAR- γ agonist can inhibit pulmonary fibroblast to myofibroblast transition induced by fibronectin

ZHANG Xiao-guang, LIU Xin-min (1235)

Inhibitory effect of verapamil on chronic multiple stress in rats with arrhythmia

LI Fu-ping, GAO Lin-gyun, XIAO Ying-bin (1238)

Reversal of Multidrug Resistance and Expression of P-gp on Human Colorectal Cancer

Cell line HCT-8/VCR by Zhizhen Recipe

CHEN Zhi-xia, KONG Ling-chun, SUN Yu-fang, et al (1242)

Effect of GM6001 on corneal tissue in rabbits after laser eopthelial keratomileusis

under confocal microscopy

CHEN Xiao-ling, GAO Xiao-wei, LI Bao-jiang (1247)

Expression of Protein nm23-H1 in Patients with Myelodysplastic Syndrome and

Its Clinical Significance

CHEN Ying-jie, JIANG Guo-sheng (1252)

The Biological Safety of the New Hemostatic Agent Against the War Wound

ZHAO Cong-ying, CHEN Shao-zong, LV Xiao-xing, et al (1256)

Expressions of CCR7 and B7-2 in Antitumor Effect of CTL Induced by Antigen-loaded DC

YANG Chun-Ling, SONG Cheng-xin, JIA Li-min, et al (1261)

Research of Expressions of AQP-4 in Hippocampus of Rats after Acute Alcoholism

with Traumatic Brain Injury

TIAN Hai-wen, LU Da-hua, LI Chang-qi (1265)

Effect of AGEs on microvascular endothelial-cells angiogenesis by SDF-1/CXCR4

axis signaling pathway

SU Yan-hui, LI Fei, WANG Dong-juan, et al (1270)

Construction, Expression and Characterization of hKCNQ1/hKCNQ2 Chimeras

WANG Ping-an, LI Xiao-qing, LIU Yan, et al (1273)

The Effects of Exercises on Cerebral Function of SD Rats

GU Li-yan, ZHAO Na-na, LIANG Dan-hong (1277)

Progress in Modern Biomedicine

Established in April 2001

Volume 10 Number 7

April 15 2010

Chronic Effects of Deltamethrin on the Gastric Mucosa Injury and the Expression of Substance P in Rats

CHEN Zong-hui, WU Mei, MA Xiao-mei, et al (1280)

The Expression of Seven Mg^{2+} Transporters in Mouse Cardiocytes of Different Age

FANG Wei-Wei, TENG Fei-xiang, WANG Shu-jin, et al (1284)

·CLINICAL RESEARCH·

Expression of special AT-rich sequence-binding protein and its clinicopathological significance in epithelial ovarian cancer

XIANG Jiang-dong, LI Shuang-di, ZHANG Jia-rong, et al (1287)

Changes and Significance of Cystatin C in Patients with Chronic Heart Failure

ZHANG Liang, ZHOU Sheng-hua, FANG Zhen-fei, et al (1291)

Significance of Detecting $CD4^+CD25^+CD127^{(Low/-)}$ T regulate cells in peripheral blood from Patients with Acute Chronic Obstructive Pulmonary Disease

LI Xiang-yang, ZENG Xian-sheng, HE Jiang-ling (1294)

Study on Osteopontin Antibody Combined with Chemotherapy Drugs in Osteosarcoma

SHANG Guan-Ning, LU Gang, MA Xu (1297)

Risk Factors Analysis of Post Transplantation Diabetes Mellitus and Application of Calcineurin Inhibitors

XIE Tian-cheng, SHI Dao-hua, YAN Xin-bin (1302)

Application of cytology and high risk-human papillomavirus testing in the screening of cervical lesion

LIU Na, FU Rui-ting, A Man Gu-li, et al (1305)

Comparison of clinical and pathological characteristics between the elder and younger patients with lung cancer

ZHOU Hui, WANG An-lan, YI Qing, et al (1308)

The Investigation of the Formation of Pulfrich Effect

WANG Liang, QIU Jin-hui, YANG Zhong-le (1311)

The Expression and Significance of MMP-7 and TIMP-1 in Gastric Carcinoma

WANG Mei-lan, LIU Xia, YU Chun-ling, et al (1315)

Helicobacter pylori infection, the invasion and metastasis of the gastric carcinoma, and the expression of COX-2 and MMP-9

LI Di-sheng, DENG Xiang-shan, CHENG Feng, et al (1319)

Progress in Modern Biomedicine

Established in April 2001

Volume 10 Number 7

April 15 2010

Neuroendoscopic anatomy of pineal region through infratentorial supracerebellar approach

CHEN Hong-qing, SHI Wei, LIU Chong-xiao, et al (1322)

Imageological manifestation and determination of serum adenosine deaminase

in patients with pulmonary tuberculosis

ZHONG Ru-liang, LIANG Xiao-ping, ZHANG Zhi-neng (1325)

The relationship between the TGF- β 1 expression and liver fiber for hepatitis B patients

and its clinical significance

DUAN Jun, JIANG Yong-fang (1328)

Clinical analysis on 254 cases of parovarian cysts with laparoscopy

ZHANG Jia, ZHANG Kai, CUI Jian-ying, et al (1331)

Relationship of Vascular Endothelial Growth Factor and Insulin-like Growth

Factor-1 of Newborns with Asphyxiation

LIU Hong-mei, LI Fang-jun (1334)

Detection of serum troponin-T in patients with acute ischemic stroke and its clinical significance

LIU Xiao-jun, LIAO Yi-gang, MAO Zheng-kang, et al (1336)

Complete resection of endotracheal hamartoma by bronchoscopy: Report of 2 cases

WAN Gong-shan, QI Xu, HUANG Mao, et al (1339)

Clinical and Imaging Diagnosis of Carotid Cavernous Sinus Fistula

WU Xiao-yong, LI Ran (1342)

The effect on myocardial apoptosis of diabetic mellitus of UCP2 in TUNEL

LI Xiu-zhen, TAN Ruo-yun, LU Xiang (1346)

Effects of Shengqi Fuzheng Injection Combined Chemotherapy on Patients with

Primary Liver Cancer

LIU Guo-dong, XIAO Gui-lin (1348)

Impact of elderly patient laparoscope colorectal cancer radical operation

for body stress and visceral protein

LV Yu-chen, ZHANG Jian-li, SUN Zhen-qing (1351)

Ligustrazin Regulates Expression of Type III Procollagen in Spontaneously Diabetic

Nephropathy Rats

WANG Qing-hua, AO Xiang, TAN Hua-qing, et al (1356)

Progress in Modern Biomedicine

Established in April 2001

Volume 10 Number 7

April 15 2010

The Change and Clinic Importance of Serum C-reactive Protein in Patients

with Coronary Hear Disease

WANG Shu-qin, DUAN Xiao-yan, CHENG Xin-ming, et al (1360)

Observation of Nursing Treatment Effects for Community Diabetes

HU Yun, WANG Ning-xia, CHEN Ping, et al (1364)

Causes of pressure sores in coma patients and prevention and nursing

LIU Fei-lan, LIU Hai-xia, YUAN San-yun, et al (1367)

·BIOMEDICAL TEACHING·

Teaching and Practice in English for Foreign Students

WANG Qian, MU Xiao-ling, JIANG Yu-fen, et al (1369)

Teaching mode of problem-based learning in "basic nursing" skills teaching

XU Xia, LI Zi-heng, ZHANG Nan-nan (1371)

·MONOGRAPHS AND REVIEWS·

Heart failure: β -adrenergic receptor subtypes in regulation of the heart

SHAN Yu, GONG Hai-bin, WANG Xiu-li, et al (1374)

Progress in ROS-mediated JNK signaling pathway

LIU Le-jiang, TANG Sheng-song (1378)

Advance in mGluR and Fragile X syndrome

MAO Li-bing, CHEN Shen-qiang (1381)

Multi-drug resistance gene and cervix cancer chemotherapy

LI Wen-ting, WANG Ying-hong (1385)

Recent Advance on the Development of a Tissue-engineered Lung

HU Feng-qing, ZOU Liang-jian (1389)

Confocal Laser Endomicroscopy Endoscopy in Diagnosis of Colorectal Disease

ZHU Min, LI Ming-yang, YANG Yun-sheng (1392)

Advances in Research of the Cause of Dental Anxiety and Psychological Intervention

RUAN Ning, ZHANG Gui-qing (1395)

CTCs in the prognosis of the breast cancer

TONG Di-yi, YI Hai-ying, HUANG Lei (1398)