

现代生物医学进展

XIANDAI SHENGWUYIXUE JINZHAN

半月刊 2001年4月创刊

第11卷 第3期

2011年2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 曾滋滔 贺林

傅世英 王砾谦 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 吕传柱 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

2011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·

结核分枝杆菌分泌蛋白 Ag85B、Hsp16.3 和 ESAT6 在
血清学检测中的初步应用

..... 张彩勤 张海 赵勇等 (401)

疏肝补肾法对疲劳大鼠的学习和记忆力之影响

..... 马佳美 李峰 宋月晗等 (405)

卡介苗对哮喘小鼠肺组织中 PPAR- γ 表达的影响及意义

..... 曾晓媛 黄信刚 陈红梅等 (409)

外源性硫化氢对创伤失血性休克大鼠血浆炎症因子的影响

..... 林家燕 丁倩 姚立农等 (413)

在中国汉族人群中,以家系传递分析肿瘤坏死因子 a-308A/G

单核苷酸多态性与抽动秽语综合征(英文)

..... 慕丰光 王培林 王修海等 (417)

SD 大鼠骨髓间充质干细胞体外原代培养及鉴定

..... 何凤璞 汪黎明 陈鑫 (421)

拉西地平对内质网应激导致左室重塑的保护作用

..... 胡中伟 赵连友 郑强荪等 (424)

氧自由基与脑胶质瘤周水肿关系的实验研究

..... 赵心同 赵洪洋 姚东晓等 (428)

甲基苯丙胺中毒大鼠相关脑区 Caspase-3 和 Bcl-2 表达的研究

..... 段晓飞 邓冲 曾晓锋等 (432)

锰作用下 PC12 细胞的氧化应激机制研究

..... 徐强 董大海 徐文 (435)

不同液体复苏对失血性休克大鼠肠粘膜的影响

..... 王海庆 欧阳军 (441)

左归丸促进小鼠未成熟卵母细胞体外核成熟的实验研究

..... 孙晓峰 罗令 孙启春等 (444)

阿司匹林对体外培养骨髓基质细胞成骨性分化的影响

..... 冯靖 桑宏勋 白建萍等 (448)

现代生物医学进展

XIANDAI SHENGWUYIXUE JINZHAN

半月刊 2001年4月创刊 第11卷 第3期 2011年2月15日出版 Progress in Modern Biomedicine

放射性粒子 ^{125}I 联合 TACE 治疗兔 VX2 肝肿瘤的实验研究	王冬冬 曹秀峰 吕进等	(452)
UU1、UU3 和 UU4 致昆明小鼠下生殖道致病性的研究	谭飞 杨连娟 莫小辉等	(456)
下丘脑室旁核胃动素对消化功能影响的研究(英文)	崔海燕 徐璐 周海峰	(460)
中药地黄饮子对小鼠抗体激发水平的影响	邵扬 陈晨 刘辉等	(465)
嗜酸乳杆菌胞壁粗提物及 DNA 对实验性结肠炎结肠上皮 NF- κ B 表达的影响	练光辉 陈旻湖 彭侠彪等	(468)
周期性机械应力对髓核细胞增殖和细胞外基质表达的影响	刘正宇 周栋 朱瑞霞等	(472)
·实验研究·		
坛紫菜(<i>Porphyra Haitanensis</i>)中抑菌活性肽的制备与初步纯化(英文)	刘蕾 魏玉西 刘淇等	(476)
酵母产 γ -氨基丁酸发酵培养基的优化	胡超 黄丽华 左斌等	(482)
不同染色技术和双色荧光原位杂交技术对宽翅菘蓝(<i>Isatis violascens</i> Bunge)的细胞遗传学分析	戚大石 汤佳立	(485)
牛肠激酶催化亚基工程菌的构建	张春香 罗学刚 童锦禄等	(489)
不同加热方式对嗜肺军团菌环介导等温扩增检测法的影响	吕沁凤 吴忠华 郑伟等	(493)
·临床研究·		
红霉素对慢性阻塞性肺疾病大鼠 ICAM-1、MMP-9 的表达影响	黄玲媚 罗百灵 陈红梅	(497)
凋亡诱导因子 AIF 在肝癌组织中的表达及临床意义	郭晓东 杨永平 楼敏等	(502)
吸入 M_3 受体拮抗剂对稳定期 COPD 肺功能的影响	朱例例 刘磊 李玉梅等	(505)
超声心动图检测胎儿心包积液的临床价值(英文)	杨丽玲 姜志荣 郑娟	(508)
80 岁以上老年人冠状动脉旁路移植术合并瓣膜置换手术的临床分析	高远 袁忠祥	(512)
颈椎椎板切除融合术后轴性疼痛	韩雨 张永刚 张雪松等	(515)
ERCC1 多态性与肺癌铂类化疗耐药的关系研究	李代蓉 杨燕青 黄新华	(519)
安氏 I 类错合拔牙与非拔牙矫治对口唇形态影响的研究(英文)	刘晓敏 陈杰	(523)
眼部常见疾病的超声诊断分析	闫丽 何光彬 张苗苗等	(527)
GRPR 在宫颈疾病中的表达及临床意义	郑丹 张志强 谭文华	(530)
COPD 患者 C 反应蛋白、TNF- α 、IL-8、IL-6 临床研究	易辉 王树立 崔江禹	(534)
严重骨质疏松患者全膝关节置换术疗效分析	冯会成 黄迅悟 毕龙等	(538)
HDAC1 蛋白在乳腺癌中的表达及临床意义及与 ER、PR 的关系	崔世义 孙伟 陈旭伟	(541)
急性颅脑损伤血凝检查的临床意义	于荣三 李凤英 孙龙等	(546)
IABP 在危重症冠状动脉旁路移植术围手术期的应用	孙勇 池一凡 侯文明等	(549)

现代生物医学进展

XIANDAI SHENGWUYIXUE JINZHAN

半月刊 2001年4月创刊 第11卷 第3期 2011年2月15日出版 Progress in Modern Biomedicine

冠心病患者低密度脂蛋白与血小板 GMP-140 水平相关性研究	高 珊 刘克坚 邱 强	(552)
血清视黄醇结合蛋白 4 与慢性乙肝的相关性分析	杨秋红 刘海亮 崔景利等	(555)
镶嵌式外固定架治疗长骨骨不连 17 例体会	朱光宏 吴 翔 赵 俊等	(558)
骨肉瘤中 RASSF1A 基因的甲基化状态研究	牛军涛 褚尤彪 蒋继亮等	(560)
妊娠合并急腹症的超声诊断 - 附 686 例临床病例分析	施冬梅 靳 元	(564)
下肢动脉粥样硬化致双下肢水肿的临床观察	王伟莉 麻滨瑞 胡晓松等	(568)
49 例肝硬化患者营养不良的相关因素分析	欧阳伟钢 李广鹏 周黎黎	(570)
苯磺酸左旋氨氯地平在治疗老年轻中度高血压中的作用	李智莉 王彩凤 陈怀宁	(575)
护患沟通技巧在呼吸科护理工作中的应用	胡绍辉 汪建国 王巧云等	(579)
CAPD 患者家属的心理需求及护理对策	黄桂群 朱丽娟 邝惠冰等	(582)

·专论与综述·

促凋亡基因 Bad 在胰腺癌中的调控及靶向治疗研究进展	吴鼎宇 刘 俊 单 治等	(584)
食管鳞癌相关基因与预后及临床病理关系的研究进展	曹秀峰 吕 进	(588)
运动对细胞凋亡的影响	李军勇 伊力哈木·托合提	(593)
骨桥蛋白与糖尿病肾病关系的研究进展	张 筠 王建平	(598)

·重要信息·

《分子影像学》第二版已正式出版发行	卜丽红 戴薇薇	(408)
封面说明		(504)

·科学快讯·

生物学领域 2010 年 TOP5 文章出炉		(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 11 Number 3

February 15 2011

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
LV Chuan-zhu 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·

Application of Ag85B,Hsp16.3 and ESAT6 of Mycobacterium

Tuberculosis in Serological Detection

ZHANG Cai-qin, ZHANG hai, ZHAO Yong, et al

(401)

Effects of Regulating Liver Qi and Tonifying Kidney on Learning and Memory of Fatigue Rats

MA Jia-mei, LI Feng, SONG Yue-han, et al

(405)

Effect of Bacillus Calmette-Guerin on Expression of PPAR- γ in Lung Tissue of Asthmatic Mice and Its Significance

ZENG Xiao-yuan, HUANG Xin-gang, CHEN Hong-mei, et al

(409)

Effects of Exogenous Hydrogen Sulfide on Inflammatory Cytokines in Plasma of Rats with Hemorrhagic Traumatic Shock

LIN Jia-yan, DING Qian, YAO Li-nong, et al

(413)

Family-based transmission analysis of -308A/G polymorphism in TNF- α with Tourette syndrome in Chinese Han population

QI Feng-guang, WANG Pei-lin, WANG Xiu-hai, et al

(417)

Study on Isolation, Culture and Identification of Bone

Mesenchymal Stem Cells of SD Rats in Vitro

HE Feng-pu, WANG Li-ming, CHEN Xin

(421)

Progress in Modern Biomedicine

Established in April 2001

Volume 11 Number 3

February 15 2011

Protective effects of Lacidipine against left ventricular remodeling caused by endoplasmic reticulum stress in rats	
HU Zhong-wei, ZHAO Lian-you, ZHENG Qiang-sun, et al	(424)
Relationship Between Oxygen Free Radical and Peritumor Edema in Glioma	
ZHAO Xin-tong, ZHAO Hong-yang, YAO Dong-xiao, et al	(428)
Expressions of Caspase-3 and Bcl-2 in Related Encephalic Region of Rats with Poisoning of Methamphetamine	
DUAN Xiao-fei, DENG Chong, ZENG Xiao-feng, et al	(432)
Oxidative stress mechanism of manganese-treated PC12 cell line	
XU Qiang, DONG Da-hai, XU Wen	(435)
Effect of different fluid resuscitation on intestinal mucosa in rats with hemorrhagic shock	
WANG Hai-qing, OUYANG-jun	(441)
Experimental Study of Zuogui Pills in Stimulation of Mouse Immature Oocytes Nuclear Maturation in Vitro	
SUN Xiao-feng, LUO Ling, SUN Qi-chun, et al	(444)
Effects of Aspirin on Differentiation of Bone Marrow Stromal Cells into Osteoblasts in Vitro	
FENG Jing, SANG Hong-xun, BAI Jian-ping, et al	(448)
¹²⁵I radioactive seeds implantation combined with TACE for rabbit VX2 hepatocellular carcinoma	
WANG Dong-dong, CAO Xiu-feng, LV Jin, et al	(452)
Study on the pathogenicity of UU1, UU3 and UU4 in the lower genital tract of female KM mice	
TAN Fei, YANG Lian-juan, MO Xiao-hui, et al	(456)
The Impact study of motilin digestive function in hypothalamus paraventricular nucleus	
CUI Hai-yan, XU Luo, ZHOU Hai-feng	(460)
The Effects of Dihuang Drink on the Level of Antibody in Mice	
SHAO Yang, CHEN Chen, LIU Hui, et al	(465)

Progress in Modern Biomedicine

Established in April 2001

Volume 11 Number 3

February 15 2011

Effects of *L. Acidophilus* BCW and DNA on Expression of NF- κ B in Murine with

Acute Ulcerative Colitis

LIAN Guang-hui, CHEN Min-hu, PENG Xia-biao, et al (468)

Cell Proliferation and Extracellular Matrix Expression in Nucleus Pulposus Cells

under Cyclic Hyolrostatic Pressure

LIU Zheng-yu, ZHOU Dong, ZHU Rui-xia, et al (472)

·CLINICAL RESEARCH·

Preliminary Purification and Influencing Factors of Antimicrobial Polypeptides

from *Porphyra Haitannsis*

LIU Lei, WEI Yu-xi, LIU Qi, et al (476)

Optimization of Culture Medium for Gamma-aminobutyricAcid Produced by

Saccharomyces Cerevisiae Strain

HU Chao, HUANG Li-hua, ZUO Bin, et al (482)

Cytogenetic Analysis of *Isatis Violascens* Bunge by Different Staining Techniques and

D-Fluorescent in Situ Hybridization

QI Da-Shi, TANG Jia-li (485)

Building Bovine Enterokinase Catalytic Subunit Engineering Bacteria

ZHANG Chun-xiang, LUO Xue-gang, TONG Jin-lu, et al (489)

Effect of Different Heating Methods on *Legionella Pneumophila* Loop-mediated

Isothermal Amplification Detection

LU Qing-feng, WU Zhong-hua, ZHENG Wei, et al (493)

·CLINICAL RESEARCH·

Effect of Erythromycin on Expressions of ICAM-1 and MMP-9 in Rats with COPD

HUANG Ling-mei, LUO Bai-ling, CHEN Hong-mei (497)

Expression of Apoptosis Inducing Factor in Hepatocellular Carcinoma and Its Clinical Significance

GUO Xiao-dong, YANG Yong-ping, LOU Min, et al (502)

Effect of M₃ Receptor Antagonist on Lung Function in Stable COPD

ZHU Li-li, LIU Lei, LI Yu-mei, et al (505)

Progress in Modern Biomedicine

Established in April 2001

Volume 11 Number 3

February 15 2011

Diagnostic Value of Fetal Echocardiography for Fetal Pericardial Effusionin

· YANG Li-ling, JIANG Zhi-rong, ZHENG Juan (508)

Clinical analysis of coronary artery bypass and cardiac valvular surgery in elders above eighty

GAO Yuan, YUAN Zhong-xiang (512)

Axial Neck Pain after Cervical Laminectomy with Instrumented Fusion

HAN Yu, ZHANG Yong-gang, ZHANG Xue-song, et al (515)

Correlation of excision repair cross-complementing gene1 polymorphisms and platinum chemotherapy resistance of lung cancer

LI Dai-rong, YANG Yan-qing, HUANG Xin-hua (519)

Lip Position Changes in Angle Class I Malocclusion after Orthodontic Treatment, with and without Extractions

LIU Xiao-min, CHEN Jie (523)

Diagnosis and analysis of ultrasonography on common eye diseases

YAN Li, HE Guang-bin, ZHANG Miao-miao, et al (527)

Clinical Significance and Expression of Gastrin-releasing Peptide Receptor in Cervical Diseases

ZHENG Dan, ZHANG Zhi-qiang, TAN Wen-hua (530)

Effect of CRP, TNF- α , IL-8 and IL-6 in Patients with Chronic Obstructive Pulmonary Disease

YI Hui, WANG Shu-li, CUI Jiang-yu (534)

Total Knee Replacement for Patients with Severe Osteoporosis

FENG Hui-cheng, HUANG Xun-wu, BI Long, et al (538)

Expression of histone deacetylase1 in breast carcinoma and its clinical significance

CUI Shi-yi, SUN Wei, CHEN Xu-wei (541)

Clinical Significance of Blood Coagulation of Acute Brain Injury

YU Rong-san, LI Feng-ying, SUN Long, et al (546)

Perioperative Application of the Intra-aortic Balloon Pump in High-risk Patients

Undergoing Coronary Artery Bypass Grafting

SUN Yong, CHI Yi-fan, HOU Wen-ming, et al (549)

Correlation of Low Density Lipoprotein Cholesterol and GMP-140 in Patients with Coronary Heart Disease

GAO Shan, LIU Ke-jian, QIU Qiang (552)

Progress in Modern Biomedicine

Established in April 2001

Volume 11 Number 3

February 15 2011

Relationship between Serum Retinol-Binding Protein⁴ and Chronic Hepatitis B

YANG Qiu-hong, LIU Hai-liang, CUI Jing-li, et al (555)

Inlaid external fixator for long bone nonunion

ZHU Guang-hong, WU Xiang, ZHAO Jun, et al (558)

Analysis of Methylation Status of RASSF1A Gene in Human Osteosarcoma

NIU Jun-tao, CHU You-biao, JIANG Ji-liang, et al (560)

Ultrasound in Cytosis with Acute Abdomen

SHI Dong-mei, JIN Yuan (564)

Clinical observation of oedema legs induced by atherosclerosis

WANG Wei-li, MA Bin-rui, HU Xiao-song, et al (568)

Correlation Factors Analysis of Malnutrition of 49 Patients with Hepatocirrhosis

OUYANG Wei-gang, LI Guang-peng, ZHOU Li-li (570)

Effect of levamlodipine besylate on mild and moderate hypertension in the elderly

LI Zhi-li, WANG Cai-feng, CHEN Huai-ning (575)

Application of nurse-patient communication skills in respiratory department

HU Shao-hui, WANG Jian-guo, WANG Qiao-yun, et al (579)

Psychological needs and strategy of nursing of families of patients with CAPD

HUANG Gui-qun, ZHU Li-juan, KUANG Hui-bing, et al (582)

·MONOGRAPHS AND REVIEWS·

Research advancement of proapoptosis gene Bad in pancreatic cancer

WU Ding-yu, LIU Jun, SHAN Zhi, et al (584)

Association of genes with the prognosis and clinical pathology about esophageal

squamous cell carcinoma

CAO Xiu-feng, LV Jin (588)

Effects of Exercise on Apoptosis

LI Jun-yong, YILIHAMU·Tuoheti (593)

The advances of relationship between osteopontin and diabetic nephropathy

ZHANG Jun, WANG Jian-ping (598)