

现代生物医学进展

XIANDAI SHENGWUYIXUE JINZHAN

半月刊 2001年4月创刊 第11卷 第10期 2011年5月30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
1500040 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 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社编辑部调换

目 次

·论著·

·基础研究·

- 结核分枝杆菌融合蛋白 Ag85B-Hsp16.3、Ag85B-ESAT6 和
分泌蛋白 Hsp16.3 体外对人肝癌细胞 HepG-2 的作用 杨巍 师长宏 张彩勤等 (1801)
- NaCl 胁迫对甘草生长及抗氧化酶活性的影响 万春阳 王丹 侯俊玲等 (1805)
- 评价空肠弯曲菌外膜蛋白 PEB1 介导的重组 BCG 与上皮细胞
的结合能力 胡琳洁 郭晓雅 侯美娜等 (1810)
- 6-OHDA 帕金森病大鼠快动眼睡眠状态下皮层脑电及基底节
场电位的异常变化 常晓赞 葛顺楠 杨晨等 (1813)
- 非酒精性脂肪肝病大鼠肝脏 SOCS-3 的表达与吡格列酮干预
研究 曹彦 易艳荣 (1817)
- 血清反应因子结合位点在小鼠及人基因组中保守性、多样性及
进化的研究(英文) 沈霞 吴文武 谭从娥等 (1821)
- 小胶质细胞的培养及鉴定 刘洪翠 郑敏化 张丙芳等 (1827)
- 杨梅黄酮减弱 MPP⁺诱导的 MES23.5 细胞的细胞毒性(英文) 张凯 马泽刚 王俊等 (1830)
- 80%门静脉结扎后肝脏组织中 MMP-9 的表达与肝再生作用的
相关性研究 章世海 储建 杭化莲等 (1834)
- rhBMP-2 诱导异位软骨修复重建兔气管缺损的实验研究 王兴 崔鹏程 马瑞娜等 (1838)
- 消炎散结方对人胃癌 MNK-45 荷瘤鼠机体 HK-II 表达的影响 魏振 魏品康 巨大维等 (1841)
- 骨髓间充质干细胞移植对 VCD 所致卵巢损伤的修复研究 王琰 杨瑛 刘兵等 (1844)
- 大鼠脑缺血再灌注后血清中血管内皮生长因子与神经元凋亡的研究 纳冬梅 孙强 曹坪等 (1847)
- 封闭负压引流联合局部给氧治疗兔耳缺血性创面的实验研究 张自鹏 陈绍宗 李学拥等 (1851)

现代生物医学进展

XIANDAI SHENGWUYIXUE JINZHAN

半月刊 2001年4月创刊 第11卷 第10期 2011年5月30日出版 Progress in Modern Biomedicine

- 多聚糖止血颗粒对兔股动脉出血的止血效果观察 王玉挺 宋祖军 王伟等 (1855)
EDU 免疫荧光法检测整合素连接激酶(ILK)高表达对新生大鼠心肌细胞 DNA 合成的影响 王丙剑 白剑 孙静娴等 (1858)
生半夏、南星水提物对人胃癌 BGC823 细胞的侵袭力及 HIF-1 α mRNA 蛋白表达的影响 毛竹君 张慈安 武峰等 (1861)
人体小脑神经元发育的定量观察 向炜 罗学港 卢大华等 (1865)
PP2R1A 逆转录病毒的构建及对细胞周期的影响 付鹤玲 李靓云 李蕾等 (1869)
乙肝治疗耐药基因突变的焦磷酸测序技术诊断 汪钦 郭晏海 李勇年等 (1873)
PIK3CA 基因突变的 MassARRAY 分子量阵列分析 梁平 赵锦荣 惠延平等 (1877)
- 临床研究·
- 癫痫持续状态的发病危险因素分析 苗锐 康静 王莉等 (1881)
老年轻度认知障碍患者生活高危因素探讨(英文) 于焕清 郭宗君 王晓林等 (1885)
应用同种带瓣管道重建右室流出道的危险因素分析 董自超 汪曾炜 王辉山等 (1891)
P53 Codon 72 多态性、P53 表达与宫颈癌放疗敏感性相关性的研究 眭鸿颖 周萍 江宁等 (1896)
咬合运动与注射醋酸泼尼松龙治疗滑膜炎的疗效比较(英文) 杨凤丽 杨建军 韩燕等 (1900)
痛风性膝关节炎的关节镜诊疗价值分析 冯会成 黄迅悟 孙继桐等 (1904)
格列吡嗪合并辛伐他汀对颈动脉粥样硬化斑块的疗效观察 胡军 曾慰 胡名松 (1907)
儿童与成人阻塞型睡眠呼吸暂停低通气综合征代谢异常特征的比较 史艳明 张弛 李华珠等 (1910)
Wnt 信号通路 GS 蛋白在胃癌中的表达和临床意义 李雪 张巍巍 耿长新等 (1913)
早期乳腺癌保乳手术与改良根治手术的临床效果比较 赵怡 章骏 杨志刚等 (1917)
核桃楸树皮提取物对志贺氏菌抑菌效果研究 黄余龙 饶燕 黄山等 (1921)
围手术期不同处理因素对 SD 大鼠肠道菌群的影响 王亮 沈丽 王东升等 (1924)
兰州市 1907 例不同年龄正常人群骨密度测定综合分析 侯文秀 严国建 刘艳红等 (1927)
恩替卡韦联合胸腺肽 α 1 治疗慢性乙型肝炎疗效研究 宁鹏 徐珞 (1931)
常州地区妇女 HPV 感染状况调查 朱自强 王秋伟 黄瑞萍等 (1934)
注意缺陷多动障碍儿童睡眠障碍与铁缺乏关系的临床研究 陈湘红 张利之 杨春柳 (1937)
缺血性脑血管病患者认知功能分析(英文) 刘佳 郭宗君 褚秀美等 (1940)
神经梅毒 5 例临床分析 杨姗杉 夏圣梅 杨凤民等 (1944)
奥氮平与碳酸锂分别联合丙戊酸钠治疗双相障碍躁狂发作的临床疗效比较 阿依夏木·伊不拉音 艾尼瓦尔·拜克热 买买提热夏提·吐尔逊等 (1947)

现代生物医学进展

XIANDAI SHENGWUYIXUE JINZHAN

半月刊 2001年4月创刊 第11卷 第10期 2011年5月30日出版 Progress in Modern Biomedicine

- 肾综合征出血热胸部并发症的 CT 表现 王晓妮 徐 璐 (1950)
- 脑内谷氨酸、乳酸以及葡萄糖对中重型脑外伤患者病情的评价意义
..... 孙 强 宋伟健 林文娟等 (1953)
- 急性冠状动脉综合症患者血浆溶血磷脂酸及基质金属蛋白酶-9 水平的检测及意义
..... 刘建华 尚桂莲 董明国等 (1956)
- 心内膜下心肌梗死的常见误诊病例浅析 朱 兵 周 震 沈 蕾等 (1959)
- 胸内正压对正常人左室功能影响及其力学原理 张小用 曹铁生 袁丽君等 (1961)
- TCT、阴道镜下活检和 LEEP 对 CIN 诊断价值的比较 姚旭阳 陈惠贞 孙曼莉等 (1965)
- 技术与方法·
- 一种简易 SNP 检测方法的建立 包 啓 赵锦荣 汪 钦等 (1969)
- 一种改良的 BrdU 免疫组织化学染色抗原热修复技术 黄菊芳 刘 晨 王 慧等 (1972)
- 生物医学教学·
- 系统解剖学立体化双语教学资源建设的探讨 李 芳 蔡 艳 李昌琪等 (1975)
- 医学遗传学实验教学中实施研究性教学的探索实践 刘 瑞 魏 婷 朱金玲等 (1977)
- 心理学·
- 高中生与大学生飞行学员基本认知能力的比较研究 迟冬青 胡文东 (1980)
- 专论与综述·
- 纳米金在分子影像学中的应用进展 郑林丰 王 悍 张责祥 (1983)
- 骨髓间充质干细胞移植与肾脏病 卫 静 袁发焕 黄云剑 (1987)
- 蛋白质表面氨基酸特性研究进展 荆 艳 宋晓峰 (1991)
- 左旋精氨酸在冠脉搭桥术中心肌保护作用研究进展 陈晓伟 池一凡 (1995)
- 氧化应激研究进展及其在缺血性心肌病发病中的作用 任 宁 唐慧芳 (1998)
- 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 (1809)
- 封面说明 (1930)
- 科学快讯·
- 《基因组研究》:新技术可找到干细胞分化关键蛋白 (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、戴永江、黄文、黄良、刘俊、谢毅强、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、何环

封面设计:曾乐平,彭安安

Progress in Modern Biomedicine

Established in April 2001

Volume 11 Number 10

May 30 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 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-ji	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: Liudui_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

ISSN: 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•

Effect of Ag85B-Hsp16.3 Ag85B-ESAT6 and Hsp16.3 of

Mycobacterium Tuberculosis on Human Hepatoma

Carcinoma Cell HepG-2 in Vitro

YANG Wei, SHI Chang-hong, ZHANG Cai-qin, et al (1801)

Effects of NaCl Stress on Growth and Antioxidant Enzyme

Activities of Glycyrrhiza Uralensis

WAN Chun-yang, WANG Dan, HOU Jun-ling, et al (1805)

Evaluation of Combination Ability Between Recombinant BCG

Mediated by Membrane Protein PEB1 of C.Jejuni and

Epithelium Cells

HU Lin-jie, GUO Xiao-ya, HOU Mei-na, et al (1810)

Abnormalities of EcoG and Field Potential of Basal Ganglia

in 6-OHDA-lesioned Rats with Parkinson's Disease

during Rapid Eye Movement Sleep

CHANG Xiao-zan, GE Shun-nan, YANG Chen, et al (1813)

Expression of SOCS-3 in the Liver of Rats with Nonalcoholic

Fatty Liver Disease and Therapeutic Effects

of Pioglitazone

CAO Yan, YI Yan-rong (1817)

Serum Response Factor Binding Sites in Human and Mouse

Genome: Conservation, Diversity and Evolution

SHEN Xia, WU Wen-wu, TAN Cong-e, et al (1821)

Cultivation and Identification of Primary Microglia

LIU Hong-cui, ZHENG Min-hua, ZHANG Bing-fang, et al

..... (1827)

Progress in Modern Biomedicine

Established in April 2001

Volume 11 Number 10

May 30 2011

Myricetin Attenuates MPP⁺-induced Cytotoxicity in MES23.5 Cells

ZHANG Kai, MA Ze-gang, WANG Jun, et al (1830)

Correlation of Expression of MMP-9 in the Liver and Liver Regeneration in Rats after 80% of the Portal Vein Ligation

ZHUANG Shi-hai, CHU Jian, YU Ya-bin, et al (1834)

Effect of Recombinant Human Bone Morphogenetic Protein -2 in Inducement of Ectopic Cartilage Repair and Reconstruction of Tracheal Defects in Rabbits

WANG Xing, CUI Peng-cheng, MA Rui-na, et al (1838)

Effects of Eliminating Phlegm Recipe on HK-II Expression of MNK-45 Human

Gastric Tumor-bearing Mice

WEI Zhen, WEI Ping-kang, JU Da-wei, et al (1841)

Bone Marrow Mesenchymal Stem Cell Transplantation for Premature Ovarian Failure Induced by 4-vinylcyclohexene Diepoxide

WANG Yan, YANG Ying, LIU Bing, et al (1844)

Relation Between Vascular Endothelial Growth Factor in Sera and Neuronal Apoptosis after Cerebral Ischemic Reperfusion in Rats

NA Dong-mei, SUN Qiang, CAO Ping, et al (1847)

Block Negative Pressure Drainage Combined with Local Oxygen for Ischemic Wound Healing of Rabbit Ears

ZHANG Zi-peng, CHEN Shao-zong, LI Xue-yong, et al (1851)

Hemostatic Effect of Polysaccharide Hemostatic Particles on Femoral Artery Bleeding in Rabbits

WANG Yu-ting, SONG Zu-jun, WANG Wei, et al (1855)

Detection of Over-Expressed Integrin-Linked Kinase in DNA Synthesis of Cardiomyocytes in Newborn Rats by EDU Immunofluorescence Assay

WANG Bing-jian, BAI Jian, SUN Jing-xian, et al (1858)

Effects of Aqueous Extract of Chinese Medicine Raw Pinellia and Nanxing on Human

Gastric Cancer Cells BGC823

Zhang Ci-an, Wu Feng, Mao Zhu-jun, et al (1861)

Quantitative Observation on Development of Human Cerebellar Neurons

XIANG Wei, LUO Xue-gang, LU Da-hua, et al (1865)

Construction of retrovirus and the influence on cell cycle of PP2R1A

FU He-ling, LI Liang-yun, LI Lei, et al (1869)

Progress in Modern Biomedicine

Established in April 2001

Volume 11 Number 10

May 30 2011

Pyrosequencing Diagnosis to Hepatitis B Gene Mutation Caused by Drug Resistance

WANG Qin, GUO Yan-hai, LI Yong-nian, et al (1873)

Genotyping of PIK3CA on Gastric Cancer by MassARRAY

LIANG Ping, ZHAO Jin-rong, HUI Yan-ping, et al (1877)

•CLINICAL RESEARCH•

Analysis of Risk Factors in Status Epilepticus Patients

MIAO Rui, Kang Jing, Wang Li, et al (1881)

Exploration of High Risk Factors in Lifestyle for Mild Cognitive Impairment in Elderly People

YU Huan-qing, GUO Zong-jun, WANG Xiao-lin, et al (1885)

Risk Factors of Using Valved Homograft Conduit for Right Ventricular Outflow Tract

Reconstruction

DONG Zi-chao, WANG Zeng-wei, WANG Hui-shan, et al (1891)

To Investigate the Association of Radiotherapy Sensitivity to P53 Codon 72 Polymorphisms and

P53 Expression of the Cervical Cancer

SUI Hong-ying, ZHOU Ping, JIANG Ning, et al (1896)

Comparative Observations of Effects of Articulation Training and Intraarticular Injection

of Prednisolone Acetate on Temporomandibular Joint Synovitis

YANG Feng-li, YANG Jian-jun, HAN Yan, et al (1900)

Value Analysis of Diagnosis and treatment of knee gouty arthritis by arthroscopy

FENG Hui-cheng, HUANG Xun-wu, SUN Ji-tong, et al (1904)

Therapeutic Efficacy of Simvastatin plus Glipizide in Patients with Carotid Atherosclerotic Plaques

HU Jun, ZENG Wei, HU Ming-song (1907)

Metabolic Characteristics in Obstructive Sleep Apnea Syndrome between Children and Adults

SHI Yan-ming, ZHANG Chi, LI Hua-zhu, et al (1910)

Expression of Target GS Protein in WNT Signaling Pathway in Gastric Cancer and

Its Clinical Significance

LI Xue, ZHANG Wei-wei, GENG Chang-xin, et al (1913)

Comparison of Breast-Conserving Surgery and Modified Radical Surgery in Early Breast Cancer

ZHAO Yi, ZHANG Jun, YANG Zhi-gang, et al (1917)

Progress in Modern Biomedicine

Established in April 2001

Volume 11 Number 10

May 30 2011

Antibacterial Effect of Extract from Bark of Juglans Mandshurica on Shigella

HUANG Yu-long, RAO Yan, HUANG Shan, et al (1921)

Effects of Different Perioperative Managements on the Intestinal Flora in Rats

WANG Liang, SHEN Li, WANG Dong-sheng, et al (1924)

Analysis of Bone Mineral Density in 1970 Healthy People in Lanzhou City

HOU Wen-xiu, YAN Guo-jian, LIU Yan-hong, et al (1927)

Curative Effect of Entecavir plus Thymosin α 1 for Patients with Chronic Hepatitis B

NING Peng, XU Luo (1931)

An Survey of Human Papilloma Virus Infection Situation of Women in Changzhou

ZHU Zi-qing, WANG Qiu-wei, HUANG Rui-ping, et al (1934)

Sleep Disturbances and Serum Ferritin Levels in Children with Attention-Deficit/Hyperactivity

Disorder

CHEN Xiang-hong, ZHANG Li-zhi, YANG Chun-liu (1937)

Analysis of Cognitive Function in Patients with Ischemic Cerebrovascular Disease

LIU Jia, Guo Zong-jun, Chu Xiu-mei, et al (1940)

Clinical Analysis of 5 Cases with Neurosyphilis

YANG Shan-shan, XIA Sheng-mei, YANG Feng-min, et al (1944)

Clinical Efficacy Comparison of Olanzapine and Lithium Carbonate Respectively

Combined with Sodium Valproate for Bipolar Disorder ManicEpisodes

Ayixiamu·yibulaiyin, Ainiwaer·baikeer, Maimaitierxiati·tuerxun, et al (1947)

CT Features of Chest Complications in Hemorrhagic Fever with Renal Syndrome

WANG Xiao-ni, XU Luo (1950)

The Significance of Glutamate, Lactate and Glucose in Patients with Severe Traumatic Brain

Injury Severity

SUN Qiang, SONG Wei-jian, LIN Wen-juan, et al (1953)

Detection and Significance of Lysophosphatidic Acid and Matrix Metalloproteinase-9 Levels

in Patients with Acute Coronary Syndrome

LIU Jian-hyua, SHANG Gui-lian, DONG Ming-guo, et al (1956)

Misdiagnosis Analysis on Common Cases of Subendocardial Myocardial Infarction

HU Bing, ZHOU Xia, SHOU Lei, et al (1959)

Progress in Modern Biomedicine

Established in April 2001

Volume 11 Number 10

May 30 2011

Effect of Positive Intrathoracic Pressure on Left Ventricular Ejection and Filling in

Healthy Subjects and Its Mechanism

ZHANG Xiao-yong, CAO Tie-sheng, YUAN Li-jun, et al (1961)

TCT, Colposcopically Directed Biopsy and LEEP in the Diagnosis of Cervical

Intraepithelial Neoplasia

YAO Xu-yang, CHEN Hui-zhen, SUN Man-li, et al (1965)

·TECHNIGUES AND METHODS·

A Simplified Method of SNP Analysis

BAO Han, ZHAO Jin-rong, WANG Qin, et al (1969)

An improved Technique for Heat Induced Antigen Retrieval in BrdU

Immunohistochemical Staining

HUANG Ju-fang, LIU Chen, WANG Hui, et al (1972)

·PHARMACEUTICAL SCIENCES·

Construction of Three-dimensional Bilingual Teaching Resources in Systematic Anatomy

LI Fang, CAI Yan, LI Chang-qi, et al (1975)

Study of Researching Teaching Model in Medical Genetic Experimental Course

LIU Shuang, WEI Wei, ZHU Jin-ling, et al (1977)

·PSYCHOLOGY·

Comparative Study of Basic Cognitive Ability Tests for Student Pilots between High

School and College Students

CHI Dong-qing, HU Wen-dong (1980)

·MONOGRAPHS AND REVIEWS·

Application of Gold Nanoparticles in Molecular Imaging

ZHENG Lin-feng, WANG Han, ZHANG Gui-xiang (1983)

Bone Marrow Mesenchymal Stem Cell Transplantation for Kidney Disease

WEI Jing, YUAN Fa-huan, HUANG Yun-jia (1987)

Progress in Properties of Amino Acids on Surface of Protein Molecules

JING Yan, SONG Xiao-feng (1991)

The Development of L-arginine On Myocardial Protection during Coronary Artery Bypass Graft

CHEN Xiao-wei, CHI Yi-fan (1995)

Study Progress of Oxidative Stress and Its Effect on Ischemic Cardiomyopathy

REN Ning, TANG Hui-fang (1998)