

中文核心期刊(Core Journal of China) (北京大学出版社)

中国科技核心期刊(中国科技论文统计源期刊)

RCCSE中国核心学术期刊

中国科学引文数据库收录源期刊

美国MEDLINE/Index Medicus(PubMed),EBSCO,《CA》和荷兰ELSEVIER文献库收录源期刊

WHO西太平洋区医学索引(WPRIM)收录源期刊

第二届中国精品科技期刊, 2015年和2016年中国国际影响力优秀学术期刊

ISSN 1009-2137

CN 11-4423/R



QK1711707

中国实验血液学杂志

ZHONGGUO SHIYAN XUEYEXUE ZAZHI

2017年6月 第25卷 第3期

JOURNAL OF EXPERIMENTAL HEMATOLOGY

Volume 25

Number 3

June 2017

中国病理生理学会
CHINESE
ASSOCIATION OF
PATHOPHYSIOLOGY

ISSN 1009-2137



9 771009 213142

06>

万方数据

目次

论著

造血干细胞生物学

- 637 外周血造血干细胞来源微泡的生物学特性
梁晨, 王俊辉, 邓磊, 王路, 王一, 黄雅静, 刘铁强, 蔡博, 左洪莉, 孙琪云, 乔建辉, 余长林, 胡锴勋, 艾辉胜, 郭梅
- 644 DMSO 促进人胚胎干细胞体外造血分化
王洪涛, 王梦鸽, 刘鑫, 苏培, 张磊升, 刘翠翠, 王钰, 吴丹, 涂茜, 周家喜
- 650 HIF-1 α 在照射损伤铁过载疾病红系造血中的表达及意义
邢艺, 赵明峰, 曹小立, 金鑫, 陈洁, 徐萍, 隋松男, 江嫣雨, 贺小圆
- 656 EP4 受体激动剂可通过激活 Wnt/ β -catenin 信号途径促进人 CD34⁺ 细胞体外增殖
汪亚群, 刘芳洁, 陈惠珍, 王荷花, 邹外一, 苏畅, 李娟, 许多荣
- 661 MicroRNA-214 对骨髓间充质干细胞诱导脐血 CD34⁺ 细胞迁移的影响
明静, 汪健, 叶勛, 徐慧, 王兴兵

白血病基础与临床

- 668 Numb 在白血病细胞系 K562 中的表达及不对称分裂研究
李正, 李欢, 李艺辉, 徐颖茜, 邢海燕, 唐克晶, 田征, 王敏, 饶青
- 673 LPXN 过表达对 THP-1 细胞增殖、粘附和侵袭的影响及其机制研究
戴海萍, 朱国华, 吴丽丽, 王谦, 姚红, 王琴荣, 文丽君, 仇惠英, 沈群, 陈苏宁, 吴德沛
- 678 103 例急性红白血病生物学特征与疗效观察
殷悦, 占文琪, 黄慧芳, 张臣青, 付丹晖, 徐淑娟, 胡建达, 陈鑫基
- 683 两例 *MLL* 基因高表达的 AML 患者临床特征和细胞分子遗传学分析 (英文)
赵佳炜, 汝昆, 李承文, 唐克晶, 郑迎春, 崔成华, 肖静, 陈晟华, 王晓静
- 688 急性白血病 IL-32 水平动态变化与病情发展的关系
陈立刚, 郭家权, 李东东
- 693 急性早幼粒细胞白血病细胞来源微粒在凝血紊乱中的作用研究
张迎媚, 陈波, 吴龙月, 侯金晓, 付金月
- 699 Nucleostemin 表达下调对 p53 缺失型 HL-60 细胞自噬活性的影响
魏园玉, 李翌博, 张帆, 王宁宁, 刘帅, 岳保红
- 706 *LNK* 基因在慢性髓系白血病中的变异
谭梅, 容颖, 田润梅, 杨宇航, 朱平, 陈艳

抗白血病基础与临床

- 711 61 例成人急性淋巴细胞白血病患者的临床特征和疗效分析
张孝平, 陈宝安, 葛峥, 刘苒, 马晓燕, 高冲
- 718 急性早幼粒细胞白血病患者外周血白细胞计数与早期死亡率关系
王怀宇, 张欣欣, 张慧云, 王静, 陈丽梅, 王梦昌, 习杰英, 谢铭, 樊婷
- 723 急性淋巴细胞白血病患儿的 *GSTP1* 及 *MTHFR* 基因多态性对大剂量甲氨蝶呤不良反应的影响
李菲, 尹艳丹, 周小兰, 马建梅, 郭红梅, 孟黎

- 729 微量残留病在儿童 B 系急性淋巴细胞白血病危险分层及预后中的临床意义
安粉艳,张淑红,孔令军,梁颖,徐基昕,何海龙,柴忆欢,赵文理
- 736 白藜芦醇逆转急性髓系白血病细胞 HL-60/ADR 耐药的凋亡机制
郭玉楷,史敏,秦永亮,李永军
- 743 黄芪多糖联合多柔比星抗白血病细胞 HL-60/A 耐药的机制研究
彭洪薇,张晓洁,李菲
- 749 费城染色体阴性急性淋巴细胞白血病诱导化疗 2 周后骨髓原始细胞比例及其对完全缓解和总体预后的影响
吴希锋,孙玲,李弹弹,尹相丛,冉学红
- 754 Ibrutinib 逆转 SDF-1 α /CXCR4 介导的急性淋巴细胞白血病耐药机制
胡媛媛,陶善东,马晶晶,周立涛,陈月,于亮

淋巴瘤基础与临床

- 761 伴骨髓侵犯弥漫大 B 细胞淋巴瘤的细胞遗传学异常及其与预后的关系
刘薇,吕瑞,黄文阳,李承文,刘宏,李健,邹德慧,邱录贵,易树华
- 766 EPOCH $\pm$ R 序贯 DICE $\pm$ R 方案治疗原发乳腺弥漫大 B 细胞淋巴瘤疗效观察
董丽华,陈建霖,高雪,李钢革,李玉富,宋永平,魏旭东
- 772 套细胞淋巴瘤患者外周血 NK 细胞数目变化及其临床意义
韩德兰,韩媛媛,鲍亚玲,赵雯霞
- 777 骨髓涂片及骨髓活检切片同步分析在淋巴瘤诊断中的意义
赵娟,袁婷婷,杨小亮,关键虹
- 781 MicroRNA-182 在判断淋巴瘤患者糖皮质激素耐药中的应用
胡英伟,程诗宇,谢彦晖
- 786 调强放疗与常规放疗治疗早期结外鼻型 NK/T 细胞淋巴瘤的近期和远期效果
崔剑雄,林武华
- 791 CMOD 方案治疗老年初治非特殊型外周 T 细胞淋巴瘤的临床疗效和安全性评价
刘晓蕾,高磊,崔娜
- 796 结外 NK/T 细胞淋巴瘤患者血浆白介素 17 水平变化及临床意义
尚春香,马吉成,南征,李叶,贺文财,潘贤英

多发性骨髓瘤基础与临床

- 802 伴 17P 缺失的多发性骨髓瘤患者的临床特征和治疗反应
刘彦,克晓燕,王晶,王艳芳,董菲,田磊,万伟,景红梅
- 807 应用 CD138 免疫磁珠分选结合荧光原位杂交技术检测多发性骨髓瘤细胞遗传学异常
高露,刘清,师岩,党辉,何琦,王峰,冯麟,李叶,王晓燕,李娜,宋文杰,王燕琳,孔舒,路瑾,黄晓军,赖悦云
- 813 多发性骨髓瘤细胞中胰岛素样生长因子结合蛋白 7 的基因表达及甲基化调控
刘文华,马艳萍
- 818 基于多种免疫细胞的细胞免疫治疗联合含硼替佐米的化疗方案治疗多发性骨髓瘤的临床观察
王懿铭,龙浩,阳丹,邵江河
- 823 多发性骨髓瘤患者血浆白介素 16 水平的变化及临床意义
谷月丽,肖喜春,杨硕
- 827 血小板平均体积测定在多发性骨髓瘤中的临床意义
高鹏,肖中平,付堃,韩梅

骨髓增生异常综合征

- 832 骨髓增生异常综合征患者外周血 NK 细胞亚型和功能分子变化的研究
徐淑娟,邵宗鸿,付蓉,王化泉,刘惠,刘春燕,张薇

血小板、血小板疾病、血栓、贫血病

- 837 125 例中国年轻原发性血小板增多症患者的临床特点及预后分析
付荣凤, 刘晓帆, 刘葳, 黄月婷, 陈云飞, 李慧媛, 鞠满凯, 杨仁池, 张磊
- 843 再生障碍性贫血患者血清中 TPO 水平变化的临床意义
程海, 曹江, 陈伟, 齐昆明, 闫志凌, 徐开林
- 847 儿童发生 DIC 的血栓弹力图指标变化及其诊断 DIC 的敏感度和特异度分析
袁文浩, 刘汉楚, 曾凌空, 刘晓艳, 赵玲霞, 莫璐霞
- 853 健脾益气摄血方对辛伐他汀诱导斑马鱼出血模型的止血效果研究
褚雨霆, 朱晓宇, 张雅月, 夏波, 侯丽, 宋如顺,
李天天, 李春启, 董青, 陈信义
- 860 血小板生成素水平在急性炎症状态的变化及其意义探讨
刘蕾, 许婉华, 周丽霞, 杨默

造血干细胞移植

- 866 不同时间输注受者动员脾细胞对小鼠单倍体相合造血干细胞移植后移植物抗宿主病的影响
王俊辉, 邓磊, 王路, 梁晨, 王一, 刘铁强, 黄珊, 黄雅静, 蔡博, 董征, 左红莉, 孙琪云,
乔建辉, 余长林, 胡锴勋, 艾辉胜, 郭梅
- 873 流式细胞术动态监测微小残留病在非清髓异基因造血干细胞移植治疗急性白血病患者中的意义
刘雄雄, 刘铁强, 郭梅, 孙琪云, 乔建辉, 胡锴勋,
李冰霞, 姚波, 余长林
- 880 急性白血病半相合外周血造血干细胞移植后发生单纯肠道 aGVHD 的影响因素及治疗转归
王晓宁, 孙春红, 郭彩利, 姚建娜, 祁仕环, 刘心, 习杰英,
王孟昌, 贺鹏程, 张梅
- 885 泊沙康唑一级预防造血干细胞移植患者侵袭性真菌病的效果及安全性评估
吴亚妹, 曹永彬, 李晓红, 徐丽昕, 闫蓓, 李松威, 汪海涛,
高亚会, 张甜甜, 张雅茜, 王丽, 吴晓雄

间充质干细胞生物学

- 890 IL-1 β 预刺激骨髓间充质干细胞通过 NF- κ B 通路调节其成骨分化潜能
叶炜, 费小明, 汤郁, 徐欣欣, 朱彦
- 896 脐血间充质干细胞对白血病细胞增殖和凋亡的影响及其机制
李明颖, 赵春亭, 崔渤莉, 吴少玲, 刘晓丹, 苏湛, 李田兰, 孙玲洁, 王伟, 鞠小妍

输血医学

- 904 非连续密度梯度离心法分离红细胞的影响因素研究
林梦霞, 于帅, 祝超, 黄雅, 王海宝, 于洋
- 911 新鲜冰冻血浆融化后不同保存时间及温度对凝血功能的影响
高晓云, 王新华
- 916 新生儿 ABO、RhD 配合型输血的实验研究
刘威, 乐爱平, 刘景汉, 兰炯采
- 921 输注两种不同红细胞对自身免疫性溶血性贫血患者实验室指标及疗效影响的对比
高晶晶, 朱雄鹏, 王明泉

髓系肉瘤

- 926 髓系肉瘤的临床和病理特征
江亚军, 王红霞, 庄万传, 陈昊, 张昶, 李秀梅, 朱贵华, 何耀

中性粒细胞

- 932 PDK1 对中性粒细胞分化的影响
王伟丽, 王乐, 胡甜园, 李聪, 袁卫平

铁调素及膜铁转运蛋白

- 936 铁调素及膜铁转运蛋白在铁过载小鼠模型中表达变化的研究
王静文, 许吕宏, 姚茜, 方建培

综述

- 941 细胞免疫疗法对血液系统恶性肿瘤治疗作用的研究进展
张巍, 景红梅, 王继军, 克晓燕
- 947 Ras/Raf/MEK/ERK 信号通路与白血病
刘静, 吕娜, 李永辉, 于力
- 952 稀有血型及其在输血工作中的研究进展
曹庆盛, 杨涛, 王明慧
- 957 遗传因素与血友病 A 凝血因子抑制物产生的研究进展
胡政斌, 孙新, 何丽雅
- 961 微小残留病灶在多发性骨髓瘤中的临床意义及其检测方法
俞晴, 施菊妹, 陶怡

读者 · 作者 · 编者

- 667 2017 年《中国实验血液学杂志》征订启事
- 封三 《中国实验血液学杂志》第七届编辑委员会

JOURNAL OF EXPERIMENTAL HEMATOLOGY

(Established in April, 1993)

Bimonthly Volume 25 Number 3

June, 2017

Contents

ORIGINAL ARTICLES

Biology of Hematopoietic Stem Cells

- 637 **Biological Characteristics of Microvesicles Secreted by Human Peripheral Blood Hematopoietic Stem Cells**
LIANG Chen, WANG Jun-Hui, DENG Lei, WANG Lu, WANG Yi, HUANG Ya-Jing, LIU Tie-Qiang, CAI Bo, ZUO Hong-Li, SUN Qi-Yun, QIAO Jian-Hui, YU Chang-Lin, HU Kai-Xun, AI Hui-Sheng, GUO Mei
- 644 **DMSO Promotes Hematopoietic Differentiation of Human Embryonic Stem Cells in vitro**
WANG Hong-Tao, WANG Meng-Ge, LIU Xin, SU Pei, ZHANG Lei-Sheng, LIU Cui-Cui, WANG Yu, WU Dan, TU Qian, ZHOU Jia-Xi
- 650 **Expression and Significance of HIF-1 α in Erythropoiesis of Secondary Iron Overload Disease after Irradiation Damage**
XING Yi, ZHAO Ming-Feng, CAO Xiao-Li, JIN Xin, CHEN Jie, XU Ping, SUI Song-Nan, JIANG Yan-Yu, HE Xiao-Yuan
- 656 **Prostaglandin E2 Receptor 4 Agonist Promotes Human CD34⁺ Cell Proliferation *in vitro* by Activating Wnt/ β -Catenin Signaling Pathway**
WANG Ya-Qun, LIU Fang-Jie, CHEN Hui-Zhen, WANG He-Hua, ZOU Wai-Yi, SU Chang, LI Juan, XU Duo-Rong
- 661 **Effect of MicroRNA-214 on Migration of Cord Blood CD34⁺ Cells Induced by Bone Marrow Mesenchymal Stem Cells**
MING Jing, WANG Jian, YE Xu, XU Hui, WANG Xing-Bing

Leukemia Basis and Clinic

- 668 **Expression and Asymmetric Division of Numb in Leukemia Cell K562 Line**
LI Zheng, LI Huan, LI Yi-Hui, XU Ying-Xi, XING Hai-Yan, TANG Ke-Jing, TIAN Zheng, WANG Min, RAO Qing
- 673 **Effect of LPXN Overexpression on the Proliferation, Adhesion and Invasion of THP-1 Cells and Its Mechanisms**
DAI Hai-Ping, ZHU Guo-Hua, WU Li-Li, WANG Qian, YAO Hong, WANG Qin-Rong, WEN Li-Jun, QIU Hui-Ying, SHEN Qun, CHEN Su-Ning, WU De-Pei
- 678 **Biological Characteristics and Therapeutic Efficacy of 103 Patients with Acute Erythroleukemia**
YIN Yue, ZHAN Wen-Qi, HUANG Hui-Fang, ZHANG Chen-Qing, FU Dang-Hui, XU Shu-Juan, HU Jian-Da, CHEN Xin-Ji
- 683 **Clinical and Cytogenetic Characteristics of Two AML Patients with High-level MLL Expression (in English)**
ZHAO Jia-Wei, RU Kun, LI Cheng-Wen, TANG Ke-Jing, ZHENG Ying-Chun, CUI Cheng-Hua, XIAO Jing, CHEN Sheng-Hua, WANG Xiao-Jing
- 688 **Correlation between Dynamic Change of IL-32 Level and Disease Development in Acute Leukemia Patients**
CHEN Li-Gang, GUO Jia-Quan, LI Dong-Dong
- 693 **Role of Microparticles Derived from Acute Promyelocytic Leukemia Cells in Coagulopathy**
ZHANG Ying-Mei, CHEN Bo, WU Long-Yue, HOU Jin-Xiao, FU Jin-Yue
- 699 **Effect of Down-Regulatory Nucleostemin Expression on Autophagy Activities in p53 Null HL-60 Leukemia Cells**
WEI Yuan-Yu, LI Zhao-Bo, ZHANG Fan, WANG Ning-Ning, LIU Shuai, YUE Bao-Hong
- 706 **Variation of LNK Gene in Chronic Myeloid Leukemia**
TAN Mei, RONG Ying, TIAN Run-Mei, ZHU Yu-Hang, ZHU Ping, CHEN Yan

Antileukemia Basis and Clinic

- 711 **Analysis of Clinical Characteristics and Therapeutic Efficacy in 61 Adult Patients with Acute Lymphoblastic Leukemia**
ZHANG Xiao-Ping, CHEN Bao-An, GE Zheng, LIU Ran, MA Xiao-Yan, GAO Chong

- 718 **Relationship between Peripheral Blood White Blood Cell Count and Early Death Rate in Patients with Acute Promyelocytic Leukemia**
WANG Huai-Yu, ZHANG Xin-Xin, ZHANG Hui-Yun, WANG Jing, CHEN Li-Mei, WANG Meng-Chang, XI Jie-Ying, XIE Ming, FAN Ting
- 723 **Effect of *GSTP1* and *MTHFR* Gene Polymorphism on Side Effects of HD – MTX in ALL Children**
LI Fei, YIN Dan-Dan, ZHOU Xiao-Lan, MA Jian-Mei, GUO Hong-Mei, MENG Li
- 729 **Clinical Significance of Minimal Residual Disease in Risk Stratification and Prognosis of Childhood B-lineage Acute Lymphoblastic Leukemia**
AN Fen-Yan, ZHANG Shu-Hong, KONG Ling-Jun, LIANG Ying, XU Ji-Xin, HE Hai-Long, CHAI Yi-Huai, ZHAO Wen-Li
- 736 **Mechanism of Apoptosis for Resveratrol-mediated Reversing the Drug-resistance of AML HL-60/ADR cells**
GUO Yu-Kai, SHI Min, QIN Yong-Liang, LI Yong-Jun
- 743 **Mechanisms of Astragalus Polysaccharids Synergized with Doxorubicin against Drug Resistance in HL-60/A Cells**
PENG Hong-Wei, ZHANG Xiao-Jie, LI Fei
- 749 **Ratio of Primary Bone Marrow Cells after Induction Chemotherapy for Two Weeks in the Patients with Ph⁻ ALL and Its Influence on Complete Remission and Overall Prognosis**
WU Xi-Feng, SUN Ling, LI Tan-Tan, YIN Xiang-Cong, RAN Xue-Hong
- 754 **SDF-1 α /CXCR4 Mediated Drug Resistance Can be Reversed by Ibrutinib in Acute Lymphoblastic Leukemia**
HU Yuan-Yuan, TAO Shan-Dong, MA Jing-Jing, ZHOU Li-Tao, CHEN Yue, YU Liang

Lymphoma Basis and Clinic

- 761 **Characteristics and Prognostic Significance of Cytogenetic Abnormalities in Diffuse Large B-Cell Lymphoma Patients with Bone Marrow Involvement**
LIU Wei, LYU Rui, HUANG Wen-Yang, LI Cheng-Wen, LIU Hong, LI Jian, ZOU De-Hui, QIU Lu-Gui, YI Shu-Hua
- 766 **Clinical Efficacy of EPOCH $\pm$ R Followed by DICE $\pm$ R Regimen for Primary Breast Diffuse Large B-Cell Lymphoma**
DONG Li-Hua, CHEN Jian-Lin, GAO Xue, LI Gang-Ping, LI Yu-Fu, SONG Yong-Ping, WEI Xu-Dong
- 772 **Change of NK Cell Number in Peripheral Blood of Patients with Mantle Cell Lymphoma and Its Clinical Significance**
HAN De-Lan, HAN Yuan-Yuan, BAO Ya-Ling, ZHAO Wen-Xia
- 777 **Significance of Simultaneous Analysis of Bone Marrow Smear and Bone Marrow Biopsy in the Diagnosis of Lymphoma**
ZHAO Juan, YUAN Ting-Ting, YANG Xuao-Liang, GUAN Jian-Hong
- 781 **Application of miR-182 for Determination of Glucocorticoid-Resistant Patients with Lymphoid Malignancy**
HU Ying-Wei, CHEN Shi-Yu, XIE Yan-Hui
- 786 **Short and Long Term Clinical Efficacy of IMRT and CRT for Treatment of Patients with ENKTL**
CUI Jian-Xiong, LIN Wu-Hua
- 791 **Clinical Efficacy and Safety of CMOD Regimen as the First Treatment for Aged New-diagnosed Patients with Peripheral T-cell Lymphoma**
LIU Xiao-Lei, GAO Lei, CUI Na
- 796 **Change of Plasma Interleukin-17 Level in Patients with Extranodal NK/T-Cell Lymphoma and Its Clinical Significance**
SHANG Chun-Xiang, MA Ji-Cheng, NAN Zheng, LI Ye, HE Wen-Cai, PAN Xian-Ying

Basis and Clinic of Multiple Myeloma

- 802 **Clinical Features and Response to Treatment in Newly Diagnosed Multiple Myeloma Patients with Deletion 17P**
LIU Yan, KE Xiao-Yan, WANG Jing, WANG Yan-Fang, DONG Fei, TIAN Lei, WAN Wei, JING Hong-Mei
- 807 **Application of CD138 Immunomagnetic Sorting Myeloma Cells Combined with Fluorescence *in Situ* Hybridization for Detecting Cytogenetic Abnormalities of Multiple Myeloma**
GAO Lu, LIU Qing, SHI Yan, DANG Hui, HE Qi, WANG Zheng, FENG Lin, LI Ye, WANG Xiao-Yan, LI Na, SONG Wen-Jie, WANG Yan-Lin, KONG Shu, LU Jin, HUANG Xiao-Jun, LAI Yue-Yun

- 813 **Expression of Insulin-Like Growth Factor Binding Protein 7 Gene in Multiple Myeloma Cell Line and Methylation Regulation**
LIU Wen-Hua, MA Yan-Ping
- 818 **Clinical Efficacy of Cellular Immunotherapy Combined with Bortezomib for the Treatment of Patients with Multiple Myeloma**
WANG Yi-Ming, LONG Hao, YANG Dan, SHAO Jiang-He
- 823 **Change of Plasma Interleukin-16 Level in Patients with Multiple Myeloma and Its Clinical Significance**
GU Yue-Li, XIAO Xi-Chun, YANG Shuo
- 827 **Clinical Significance of Mean Platelet Volume Determination in Multiple Myeloma**
GAO Peng, XIAO Zhong-Ping, FU Kun, HAN Mei

Myelodysplastic Syndrome

- 832 **Subtype and Functional Biomarker Changes of NK Cells in Peripheral Blood of Patients with Myelodysplastic Syndrome**
XU Shu-Juan, SHAO Zong-Hong, FU-Rong, WANG Hua-Quan, LIU-Hui, LIU Chun-Yan, ZHANG-Wei

Platelet, Platelet Disease, Thrombosis and Anemia

- 837 **Clinical Characteristics and Long-Term Outcome of 125 Chinese Young Patients with Essential Thrombocythemia**
FU Rong-Feng, LIU Xiao-Fan, LIU Wei, HUANG Yue-Ting, CHEN Yun-Fei, LI Hui-Yuan, JU Man-Kai, YANG Ren-Chi, ZHANG Lei
- 843 **Clinical Significance of Serum Thrombopoietin Levels in Patients with Aplastic Anaemia**
CHENG Hai, CAO Jiang, CHEN Wei, QI Kun-Ming, YAN Zhi-Ling, XU Kai-Lin
- 847 **Change of Thrombelastography in Children's DIC and Analysis of Its Sensitivity and Specificity for Diagnosis of DIC**
YUAN Wen-Hao, LIU Han-Chu, ZENG Ling-Kong, LIU Xiao-Yan, ZHAO Ling-Xia, MO Lu-Xia
- 853 **Hemostatic Effect of Spleen-invigorating, Qi-replenishing and Blood-containing Formula on Simvastatin-induced Zebrafish Hemorrhage Model**
CHU Yu-Ting, ZHU Xiao-Yu, ZHANG Ya-Yue, XIA Bo, HOU Li, SONG Ru-Shun, LI Tian-Tian, LI Chun-Qi, DONG Qing, CHEN Xin-Yi
- 860 **Changes of Thrombopoietin Levels in Patients with Acute Inflammatory Disease and Its Significance**
LIU Lei, XU Wan-Hua, ZHOU Li-Xia, YANG Mo

Hematopoietic Stem Cell Transplantation

- 866 **Effect of Infusion of Recipient Spleen Cells at Different Time after Murine Haploidentical Hematopoietic Stem Cell Transplantation on Graft Versus Host Disease**
WANG Jun-Hui, DENG Lei, WANG Lu, LIANG Chen, WANG Yi, LIU Tie-Qiang, HUANG Shan, HUANG Ya-Jing, CAI Bo, DONG Zheng, ZUO Hong-Li, SUN Qi-Yun, QIAO Jian-Hui, YU Chang-Lin, HU Kai-Xun, AI Hui-Sheng, GUO Mei
- 873 **Significance of Monitoring Minimal Residual Disease by Flow Cytometry in Acute Leukemia Patients Underwent Nonmyeloablative Allo-HSCT**
LIU Xiong-Xiong, LIU Tie-Qiang, GUO Mei, SUN Qi-Yun, QIAO Jian-Hui, HU Kai-Xun, LI Bing-Xia, YAO Bo, YU Chang-Lin
- 880 **Risk Factors and Therapeutic Outcome of Intestinal Acute Graft Versus Host Disease in Acute Leukemia Patients after Haploidentical Peripheral Hematopoietic Stem Cell Transplantation**
WANG Xiao-Ning, SUN Chun-Hong, GUO Cai-Li, YAO Jian-Na, QI Shi-Huan, LIU Xin, XI Jie-Ying, WANG Meng-Chang, HE Peng-Cheng, ZHANG Mei
- 885 **Efficacy and Safety of Posaconazole for Primary Antifungal Prophylaxis against Invasive Fungal Disease in Patients with Stem Cell Transplantation**
WU Ya-Mei, CAO Yong-Bin, LI Xiao-Hong, XU Li-Xin, YAN Bei, LI Song-Wei, WANG Hai-Tao, GAO Ya-Hui, ZHANG Tian-Tian, ZHANG Ya-Qian, WANG Li, WU Xiao-Xiong

Biology of Mesenchymal Stem Cells

- 890 **IL-1 β -Treated Bone Marrow Mesenchymal Stem Cells Enhances Osteogenetic Potential via NF- κ B Pathway**
YE Wei, FEI Xiao-Ming, TANG Yu, XU Xin-Xin, ZHU Yan

- 896 **Effect of Human Umbilical Cord Blood-Derived Mesenchymal Stem Cells on the Proliferation and Apoptosis of Leukemic Cells and Its Mechanism**
 LI Ming-Ying, ZHAO Chun-Ting, CUI Bo-Li, WU Shao-Ling, LIU Xiao-Dan, SU Zhan, LI Tian-Lan,
 SUN Ling-Jie, WANG Wei, JU Xiao-Yan

Transfusion Medicine

- 904 **Affected Factors of Separating Erythrocytes by Discontinuous of Density Gradient Centrifugation**
 LIN Meng-Xia, YU Shuai, ZHU Chao, HUANG Ya, WANG Hai-Bao, YU Yang
- 911 **Effects of Different Storage Time and Temperature on Coagulation Function of Fresh Frozen Plasma after Thawing**
 GAO Xiao-Yun, WANG Xin-Hua
- 916 **Experimental Study on Neonatal ABO or RhD Compatible Blood Transfusion**
 LIU Wei, LE Ai-Ping, LIU Jing-Han, LAN Jiong-Cai
- 921 **Comparison of Laboratory Indexes and Therapeutic Efficacy between Two Kinds of Different RBC Transfusion in AIHA Patients**
 GAO Jing-Jing, ZHU Xiong-Peng, WANG Ming-Quan

Myeloid Sarcoma

- 926 **Clinical and Pathologic Features of Myeloid Sarcoma**
 JIANG Ya-Jun, WANG Hong-Xia, ZHUANG Wan-Chuan, CHEN Hao, ZHANG Chang, LI Xiu-Mei, ZHU Gui-Hua, HE Yao

Neutrophil

- 932 **Effect of PDK1 on Neutrophil Differentiation**
 WANG Wei-Li, WANG Le, HU Tian-Yuan, LI Cong, YUAN Wei-Ping

Hepcidin and Ferroportin

- 936 **Expression Changes of Hepcidin and Ferroportin 1 in Murine Model of Iron Overload**
 WANG Jing-Wen, XU Lü-Hong, YAO Xi, FANG Jian-Pei

REVIEWS

- 941 **Research Progress of Cell Immunotherapy in Treatment of Hematological Malignancies——Review**
 ZHANG Wei, JING Hong-Mei, WANG Ji-Jun, KE Xiao-Yan
- 947 **Research Progress of Ras/Raf/MEK/ERK Signaling Pathways in Leukemia——Review**
 LIU Jing, LV Na, LI Yong-Hui, YU Li
- 952 **Rare Blood Group and its Progress of Research in Transfusion Medicine ——Review**
 CAO Qing-Sheng, YANG Tao, WANG Ming-Hui
- 957 **Research Progress on Genetic Factors and Hemophilia A Clotting Factor Inhibitor——Review**
 HU Zheng-Bin, SUN Xin, HE Li-Ya
- 961 **Clinical Significance and Detection Techniques of Minimal Residual Disease in Multiple Myeloma——Review**
 YU Qing, SHI Ju-Mei, TAO Yi

本广告仅供医学药学专业人士阅读!

国药准字S20030014

国药准字S20030015



注射用重组人白介素-11

治疗化疗后血小板减少症

减少血小板输注需要

适用于

- 化疗后血小板减少症

禁忌： 对白介素-11及本品中其它成分过敏者禁用，对血液制品及大肠杆菌表达的其它生物制剂有过敏史者慎用。

不良反应： 乏力、疼痛、寒颤、腹痛、感染、恶心、便秘、消化不良、瘀斑，肌痛、骨痛、神经紧张及脱发等。



北京双鹭药业股份有限公司
BEI JING SL PHARMACEUTICAL CO.,LTD.

京药广审(文)第2016040157号

股票代码: 002038

厂址: 北京八大处高科技园区中园路9号

邮编: 100071 传真: 010-88799270

电话: 010-88791677

营销总部: 北京海淀区阜石路69号院碧桐园1号楼

邮编: 100143 传真: 010-88795883

电话: 010-68727127/37转8606 010-88627765