

中文核心期刊——临床医学/特种医学类核心期刊  
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和《CA》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

ISSN 1009-2137  
CN 11-4423/R

# 中国实验血液学杂志

ZHONGGUO SHIYAN XUEYEXUE ZAZHI

2015年8月 第23卷 第4期

# JOURNAL OF EXPERIMENTAL HEMATOLOGY

Volume 23  
Number 4  
August 2015

中国病理生理学会  
CHINESE  
ASSOCIATION OF  
PATHOPHYSIOLOGY

ISSN 1009-2137



9 771009 213142

万方数据

# 中国实验血液学杂志

JOURNAL OF EXPERIMENTAL HEMATOLOGY

双月刊 第23卷 第4期(总第116期)

1993年4月创刊

2015年8月

## 目 次

### 专论

- 915 高迁移率组蛋白 N2 作为白血病和肿瘤细胞治疗靶标  
李欢欢, 朱平, 伍学强, 刘玉峰, 王丽华

### 论著

#### 白血病基础与临床

- 919 Notch 基因在慢性淋巴细胞白血病细胞的表达和介导抗凋亡、耐药机制的研究  
张金燕, 张桔顺, 许贞书
- 925 BAG3 在急性髓系白血病中的表达及临床价值  
朱华渊, 伏媛, 吴微, 徐佳岱, 谭廷妹, 乔纯, 李建勇, 刘澎
- 930 PD-L1 在急性白血病中的表达及其临床意义  
张占芳, 张秋堂, 邢海洲, 甘思林, 马杰, 刘延方, 谢新生, 孙慧
- 935 IGFBP3 在急性髓系白血病中的表达及临床意义  
刘琳, 廖子龙, 颜晓菁, 刘杰, 王晓鸥, 樊华
- 940 DNA 甲基转移酶基因在急性髓系白血病患者中的表达及意义  
郭婷婷, 杨明珍
- 946 Gli1 在成人急性淋巴细胞白血病中的表达及意义  
龙冰, 张祥忠, 李旭东, 龙梓洁, 王晓珍, 刘加军, 林东军

#### 抗白血病基础与临床

- 950 ADAM10 抑制剂 CJ254023X 对 Jurkat 细胞的增殖和凋亡作用及机制研究  
马莎, 徐杰, 王雪, 吴庆运, 曹江, 李振宇, 曾令宇, 陈翀, 徐开林
- 956 藤黄酸联合柔红霉素对白血病耐药细胞株 K562/A02 孕烷 X 受体表达的影响(英文)  
朱晗, 陈宝安, 蔡晓辉, 王飞, 高冲, 程坚, 张孝平, 戴璐, 夏国华, 傅蓉, 郭青龙
- 962 IL1RAP 单克隆抗体的制备与鉴定  
尹玲玲, 阮素红, 田宇, 徐开林, 赵恺
- 966 舍曲林诱导 Kasumi-1 细胞凋亡及其作用机制的实验研究  
晏伟伟, 夏迪, 张颖婷, 潘晓蓉, 童建华
- 971 三氧化二砷对慢性髓系白血病细胞 Hedgehog 通路的影响  
何晓薇, 燕伟, 杨威
- 976 重组腺病毒 AdE-SH2-Caspase 8 对耐伊马替尼的 K562/G01 细胞凋亡的影响  
王林, 费婵, 黄峥兰, 李会, 刘张玲, 冯文莉
- 982 高危白血病移植后复发行供者淋巴细胞输注治疗的疗效分析  
王雨馨, 李玉华
- 989 PKF118-310 对 K562 细胞周期和增殖的影响及其机制研究  
王淡瑜, 黎纬明, 金梦迪, 崔海燕, 卢博, 王欣, 刘泽林
- 994 亚砷酸在急性早幼粒细胞白血病治疗中的应用价值研究  
段丽娟, 李超, 杨如玉

999 MiR-18a 通过靶定 ATM 调节白血病细胞 HL-60 对 VP-16 和 VCR 化疗敏感性  
肖悦,胡蓉

1005 姜黄素对 CD34<sup>+</sup>人急性髓系白血病细胞增殖抑制作用及机制探讨  
饶佳,张荣艳,陈国安,李菲,黄仁魏

### **淋巴瘤和淋巴组织增生性疾病**

1009 Bmi-1 及 p14 在结外 NK/T 细胞淋巴瘤中的表达及临床意义  
张浪辉,吴顺泉,黄豪博,牛文艳,李娅萍,战榕

1013 化疗后 PET/CT 在弥漫大 B 细胞淋巴瘤疗效评价中的价值  
丁重阳,刘红宇,李天女,徐卫,范磊

1017 外周 T 细胞淋巴瘤患者 CD45RO<sup>+</sup>T 以及 CD45RA<sup>+</sup>T 在外周血中的分布特点分析  
贾新颜,杨文忠,苏洋,李琦

1021 MicroRNA-26a 及靶基因 CDK6 在结外 NK/T 细胞淋巴瘤的表达研究  
黄建新,伍严安,何毅辉

1026 硼替佐米对淋巴瘤细胞增殖、凋亡及 SHP-2 基因表达的影响  
姜立彩,罗建民

1030 PET/CT 在非霍奇金淋巴瘤临床分期中的价值  
唐汉军

1034 门冬酰胺酶联合 CHOP 方案治疗结外 NK/T 细胞淋巴瘤的临床效果研究  
张佃富,方瑞艳,马德亮

1039 16 例 Castleman 病患者临床与病理分析  
赵廷宽,张利铭,梁艳,熊涛,郭华雄,黄知平

### **多发性骨髓瘤基础与临床**

1044 神经钙粘素在多发性骨髓瘤患者中的表达及临床意义  
马杰,余庆峰,刘晓艳,王冲,张秋堂,甘思林,陈胜梅,谢新生,刘延方,  
刘林湘,万鼎铭,孙慧

1049 <sup>18</sup>F-FDG-PET/CT 对多发性骨髓瘤的诊断价值研究  
李剑秋,管丽丽,王洁,吕志祥,徐耀红,庞华

1053 骨髓涂片与骨髓活检同步分析在多发性骨髓瘤诊断中的意义  
刘亚琳,王雯娟,刘海波

### **骨髓增生/增殖性肿瘤**

1056 地西他滨联合 CAG 方案治疗骨髓增生异常综合征-RAEB 及难治性急性髓系白血病的临床观察  
杨雪良,吴亚妹,曹永彬,李晓红,徐丽昕,刘周阳,刘蓓,闫蓓,李松威,达万明,吴晓雄

1062 骨髓增生异常/骨髓增殖性肿瘤 - 不能分类的差异表达的信号通路蛋白分析  
惠吴函,叶飞,张维,刘聪艳,徐娟

### **血小板与贫血病**

1069 蛋白质二硫键异构酶对血小板膜蛋白 Iba 酶切的调控作用  
吴夏,闫荣,赵丽丽,戴克胜

1075 免疫性血小板减少性紫癜患者血浆协同刺激分子 B7-H2 和 B7-H3 与血小板自身抗体之间的相关性分析  
左斌,赵贊霄,杨剑峰,何杨

1081 26 045 例血小板输注效果的影响因素分析研究  
陈麟凤,潘继春,冯倩,罗圆圆,于洋,庄远,李卉,封艳楠,汪德清

1087 乌司他丁抑制止血带性血小板线粒体凋亡信号激活  
解春艳,肖金仿,赵振龙

1092 地西他滨对激素抵抗型 ITP 患者骨髓巨核细胞培养的影响  
廖有平,刘玉霞,李清照,胡国瑜

- 1097 非清髓异基因造血干细胞移植治疗 14 例重型再生障碍性贫血的疗效观察  
汪少飞, 黄雅静, 余长林, 孙琪云, 乔建辉, 胡锴勋, 左洪莉, 董征, 刘志青,  
王一, 黄晓梅, 艾辉胜, 郭梅
- 1103 异基因造血干细胞移植治疗儿童重型再生障碍性贫血疗效分析  
肖佩芳, 胡绍燕, 何海龙, 卢俊, 李捷, 柴忆欢
- 1108 G6PD 活性在地中海贫血中的诊断价值及临床意义  
陈扬, 张淑芳

### 间充质干细胞

- 1112 脐带血血浆分离培养脐带间充质干细胞及体外扩增人脐血 CD34<sup>+</sup> 细胞的研究  
吴洁莹, 陆琰, 陈劲松, 吴韶清, 汤雪薇, 李焱
- 1120 人羊膜上皮细胞与人羊膜间充质干细胞生物学特性对比  
甘文婷, 孙新, 陆琰
- 1125 间充质干细胞对移植植物抗宿主病预防作用的 Meta 分析  
王利, 谷振阳, 赵小利, 魏华萍, 罗澜, 赵莎莎, 刘代红, 王全顺, 高春记

### 免疫血液学

- 1133 恶性血液病患者外周血 NK 细胞数量变化及意义  
郑淑霞, 谢若腾, 官瑞婷, 郭健欣

### 输血医学

- 1138 海南地区 O 型献血者 ABO 血型抗体效价检测分析  
于帅, 黄用文, 王小茜, 吴月清, 林梦霞, 于洋, 骆群
- 1144 HLA 新等位基因 HLA-B \* 13:68 的序列分析  
韩斌, 韩丽, 冯智慧, 迟晓云, 焦淑贤
- 1147 B(A) 血型的鉴定及其患者输血的探讨  
王超, 李素萍, 吴学忠, 李敏, 邢昕, 王伦善, 吕蓉
- 1152 手工分离血小板保存袋性能评价研究  
刘敏霞, 段澜, 王捷熙, 王艳, 卓海龙, 柴丽娜, 易晓阳, 周建伟, 王建卫, 韩颖

### 髓细胞肉瘤

- 1156 14 例孤立性髓细胞肉瘤临床特点及疗效评价  
王金焕, 赵伟鹏, 田晨, 杨洪亮, 于泳, 王亚非, 王晓芳, 赵智刚, 张翼鷳

### 毛细管扩张症

- 1161 一个遗传性出血性毛细血管扩张症家系的致病基因研究  
成小慧, 涂传清, 孙顺昌, 黎建云, 张旭艳, 王典文, 黄灿

### POEMS 综合症

- 1165 155 例初治 POEMS 综合征患者的骨髓细胞形态学表现  
蒋显勇, 赵小鹏, 葛昌文, 周道斌, 李剑

### 实验血液学实验技术

- 1168 CFSE 荧光负染法检测 RAW264.7 小鼠单核巨噬细胞白血病细胞摄取超顺磁性氧化铁  
纳米粒子  
何向锋, 杨俐萍, 陈宝安, 王建红, 文颂, 施文, 徐薇薇, 凌国杰

### 综述

- 1173 MicroRNA-148/152 家族在血液恶性肿瘤中的表达  
王晓雪, 王玥, 王萍萍, 李艳
- 1179 间充质干细胞源性外泌体——未来生物疗法的理想载体  
张娟, 史晋叔, 李剑

- 1184 组蛋白修饰在常见血液系统肿瘤中作用的研究进展  
孙芳, 潘云, 李艳
- 1190 白血病的 DKK1 基因研究进展  
柳凤芝, 王季石, 朱红倩
- 1194 Ikaros 在急性 B 淋巴细胞白血病中的作用  
张海英, 白海
- 1199 慢性髓系白血病急性转化中基因组的不稳定  
郭素青, 李英华
- 1203 体外光化学治疗慢性移植物抗宿主病的研究进展  
陈润哲, 陈宝安, 程坚
- 1208 流式微球技术检测血小板特异性抗体的研究进展  
凌云, 孔欣, 陈宝安
- 1212 免疫性血小板减少症治疗进展  
吴冰, 韦艳, 张茜
- 1216 再生障碍性贫血发病机制研究进展  
刘海芸, 刘婷婷
- 1221 MSC 通过 CXCL12/CXCR4 轴介导 CML 细胞对 TKI 耐药的研究进展  
房丽君, 涂怀军, 李剑

### 读者·作者·编者

- 918 第十五届全国实验血液学学术会议征文通知
- 988 第六届全国深部真菌感染学术会议征文通知
- 1091 中华医学会第十五次全国红细胞疾病(贫血)学术会议暨相关继续教育项目会议征文通知
- 1107 重要说明——本刊 2015 年 23 卷第 3 期 814–820 页论著为“基金项目”论文

# JOURNAL OF EXPERIMENTAL HEMATOLOGY

(Established in April, 1993)

Bimonthly Volume 23 Number 4

August, 2015

## Contents

### EDITORIAL

- 915 High Mobility Group Chromosomal Protein N2 Is Expected to be as A Target of Cellular Immunotherapy in Leukemia and Tumors—Editorial  
*LI Huan-Huan, ZHU Ping, WU Xue-Qiang, Liu Yu-Feng, WANG Li-Hua*

### ORIGINAL ARTICLES

#### *Leukemia Basis and Clinic*

- 919 Expression of Notch Gene and Its Role of Anti-apoptosis and Drug-resistance of Cells in Chronic Lymphocytic Leukemia  
*ZHANG Jin-Yan, ZHANG Ju-Shun, XU Zhen-Shu*
- 925 Expression of BAG3 Gene in Acute Myeloid Leukemia and Its Prognostic Value  
*ZHU Hua-Yuan, FU Yuan, WU Wei, XU Jia-Dai, CHEN Ting-Mei, QIAO Chun, LI Jian-Yong, LIU Peng*
- 930 Expression of Programmed Death Ligand-1(PD-L1) in Human Acute Leukemia and Its Clinical Significance  
*ZHANG Zhan-Fang, ZHANG Qiu-Tang, XIN Hai-Zhou, GAN Si-Lin, MA Jie, LIU Yan-Fang, XIE Xin-Sheng, SUN Hui*
- 935 Expression of Insulin-like Growth Factor Binding Protein 3 in Acute Myeloid Leukemia and Its Clinical Significance  
*LIU Lin, LIAO Zi-Long, YAN Xiao-Jing, LIU Jie, WANG Xiao-Ou, FAN Hua*
- 940 Expression of DNA Methyltransferase Genes and Its Significance in AML Patients  
*GUO Ting-Ting, YANG Ming-Zhen*
- 946 Expression of Gli1 in Adult Acute Lymphoblastic Leukemia and Its Clinical Significance  
*LONG Bing, ZHANG Xiang-Zhong, LI Xu-Dong, LONG Zi-Jie, WANG Xiao-Zhen, LIU Jia-Jun, LIN Dong-Jun*

#### *Antileukemia Basis and Clinic*

- 950 Effect of ADAM10 Inhibitor GI254023X on Proliferation and Apoptosis of Acute T-Lymphoblastic Leukemia Jurkat Cells *In Vitro* and Its Possible Mechanisms  
*MA Sha, XU Jie, WANG Xue, WU Qing-Yun, CAO Jiang, LI Zheng-Yu, ZENG Ling-Yu, CHEN Chong, XU Kai-Lin*
- 956 Effects of Garcinia Acid Combined with Daunorubicin on Expression of Pregnenolone X Receptor in Leukemia Cell Line K562/A02 (*in English*)  
*ZHU Han, CHEN Bao-An, CAI Xiao-Hui, WANG Fei, GAO Chong, CHENG Jian, ZHANG Xiao-Ping, DAI Lu, XIA Guo-Hua, FU Rong, GUO Qing-Long*
- 962 Preparation and Assessment of IL1RAP Monoclonal Antibody  
*YIN Ling-ling, RUAN Su-Hong, TIAN Yu, XU Kai Lin, ZHAO Kai*
- 966 Experimental Study on Apoptosis of Kasumi-1 Cells Induced by Sertraline and Its Molecular Mechanism  
*YAN Wei-Wei, XIA Di, ZHANG Ying-Ting, PAN Xiao-Rong, TONG Jian-Hua*
- 971 Effect of As<sub>2</sub>O<sub>3</sub> on Hedgehog Pathway in Chronic Myeloid Leukemia Cells  
*HE Xiao-Wei, YAN Wei, YANG Wei*
- 976 Effect of Recombinant Adenovirus AdE-SH2-Caspase 8 on the Apoptosis of Imatinib-resistant K562/G01 Cell Line  
*WANG Lin, FEI Chang, HUANG Zheng-Lan, LI Hui, LIU Zhang-Lin, FENG Wen-Li*

- 982 **Efficacy of Donor Lymphocyte Infusion for Treating Relapsed High-Risk Leukemia patients after Allogeneic Hematopoietic Stem Cell Transplantation**  
*WANG Yu-Xin, LI Yu-Hua*
- 989 **Effect of PKF118-310 on Cell Cycle and Proliferation of K562 Cells and Its Mechanism**  
*WANG Dan-Yu, LI Wei-Ming, JING Meng-Di, CUI Hai-Yan, LU Bo, WANG Xin, LIU Ze-Lin*
- 994 **Clinical Value of Arsenous Acid for Treating Patients with Acute Promyelocytic Leukemia**  
*DUAN Li-Juan, LI Chao, YANG Ru-Yu*
- 999 **MiR-18a Can Regulate Chemotherapy Sensitivity of Leukemia Cell HL-60 to VP-16 and VCR by Targeting ATM**  
*XIAO Yue, HU Rong*
- 1005 **Inhibitory Effect of Curcumin on Proliferation of CD34<sup>+</sup> Acute Myeloid Leukemia Cells and Its Mechanism**  
*RAO Jia, ZHANG Rong-Yan, CHEN Guo-An, LI Fei, HUANG Ren-Wei*

### **Lymphoma and Lymphoid Hyperplasia**

- 1009 **Expression and Clinical Significance of Bmi-1 and P14 in Extranodal NK/T-cell Lymphoma**  
*ZHANG Lang-Hui, WU Shun-Quan, HUANG Hao-Bo, NIU Wen-Yan, LI Ya-Ping, ZHAN Rong*
- 1013 **Value of PET/CT after Chemotherapy for Evaluating Therapeutic Efficacy of Patients with Diffuse Large B-cell Lymphoma**  
*DING Chong-Yang, LIU Hong-Yu, LI Tian-Nv, XU Wei, FANG Lei*
- 1017 **Distribution of CD45RO<sup>+</sup> T and CD45RA<sup>+</sup> T Cells in Peripheral Blood of Patients with Peripheral T Cell Lymphoma**  
*JIA Xin-Yan, YANG Wen-Zhong, SU Yang, LI Qi*
- 1021 **Expression of MicroRNA-26a and Its Target Gene CDK6 in Extra-nodal NK/T-Cell Lymphoma**  
*HUANG Jian-Xin, WU Yan-An, HE Yi-Hui*
- 1026 **Effect of Bortezomib on Proliferation, Apoptosis and SHP-2 Gene Expression of Lymphoma Cells**  
*JIANG Li-Cai, LUO Jian-Min*
- 1030 **PET/CT Image Values in Clinical Staging of the Patients with Non-Hodgkin's Lymphoma**  
*TANG Han-Jun*
- 1034 **Clinical Efficacy of L-Asparaginase Combined with CHOP for Treating Patients with Extranodal Natural Killer/T Cell Lymphoma**  
*ZHANG Dian-Fu, FANG Rui-Yan, MA De-Liang*
- 1039 **Clinico-pathologic Analysis of 16 Cases of Castleman**  
*ZHAO Ting-Kuan, ZHANG Li-Ming, LIANG Yang, XIONG Tao, GUO Hua-Xiong, HUANG Zhi-Ping*

### **Multiple Myeloma Basis and Clinic**

- 1044 **Expression of N-Cadherin in Patients with Multiple Myeloma and Its Clinical Significance**  
*MA Jie, YU Qing-Feng, LIU Xiao-Yan, WANG Chong, ZHANG Qiu-Tang, CAN Si-Lin, CHEN Sheng-Mei, XIE Xin-Sheng, LIU Yan-Fang, LIU Lin-Xiang, WAN Ding-Ming, SUN Hui*
- 1049 **Diagnostic Value of <sup>18</sup>F-FDG-PET/CT for Multiple Myeloma**  
*LI Jian-Qiu, GUAN Li-Li, WANG Jie, LV Zhi-Xiang, XU Yue-Hong, PANG Hua*
- 1053 **Significance of Simultaneous Analysis of Bone Marrow Smear and Bone Marrow Biopsy in the Diagnosis of Multiple Myeloma**  
*LIU Ya-Lin, WANG Wen-Juan, LIU Hai-Bo*

### **Myelodysplastic/Myeloproliferative Neoplasms**

- 1056 **Clinical Efficacy of Decitabine Combined with CAG Regimen for Myelodysplastic Syndrome-RAEB and Refractory Acute Myeloid Leukemia**  
*YANG Xue-Liang, WU Ya-Mei, CAO Yong-Bin, LI Xiao-Hong, XU Li-Xin, LIU Zhou-Yang, LIU Bei, YAN Bei, LI Song-Wei, DA Wan-Ming, WU Xiao-Xiong*
- 1062 **Analysis of Differentially Expressed Signaling Pathway Proteins in Myelodysplastic/Myeloproliferative Neoplasms—Unclassifiable**  
*HUI Wu-Han, YE Fei, ZHANG Wei, LIU Cong-Yan, XU Juan*

## ***Thrombocyte and Anemia***

- 1069 **Regulatory Effect of Protein Disulfide Isomerase on Platelet GPIb $\alpha$  Ectodomain Shedding**  
*WU Xia, YAN Rong, ZHAO Li-Li, DAI Ke-Sheng*
- 1075 **Correlation of Plasma Co-stimulatory Molecules B7-H2 and B7-H3 with Platelet Auto-antibodies in Patients with Immune Thrombocytopenic Purpura**  
*ZUO Bin, ZHAO Yun-Xiao, YANG Jian-Feng, HE Yang*
- 1081 **Analysis of Factors Influencing Posttransfusion Effectiveness in 26045 Cases of Platelet Transfusion**  
*CHEN Lin-Feng, PAN Ji-Chun, FENG Qian, LUO Yuan-Yuan, YU Yang, ZHUANG Yuan, LI Hui, FENG Yan-Nan, WANG De-Qing*
- 1087 **Protective Effect of Ulinastatin against Activation of Tourniquet-Induced Platelet Mitochondria Apoptotic Signaling**  
*XIE Chun-Yan, XIAO Jin-Fang, ZHAO Zhen-Long*
- 1092 **Effect of Decitabine on Megakaryocyte Culture of Steroid-resistant ITP Patients**  
*IAO You-Ping, LIU Yu-Xia, LI Qing-Zhao, HU Guo-Yu*
- 1097 **Efficacy of Nonmyeloablative Allogeneic Hematopoietic Stem Cells for 14 Case of Severe Acquired Aplastic Anemia**  
*WANG Shao-Fei, HUANG Ya-Jing, YU Chang-Lin, SUN Qi-Yun, QIAO Jian-Hui, HU Kai-Xun, ZUO Hong-Li, DONG Zheng, LIU Zhi-Qing, WANG Yi, HUANG Xiao-Mei, AI Hui-Sheng, GUO Mei*
- 1103 **Efficacy Analysis of Allogeneic Hematopoietic Stem Cell Transplantation for Children with Severe Aplastic Anemia**  
*XIAO Pei-Fang, HU Shao-Yan, HE Hai-Long, LU Jun, LI Jie, CHAI Yi-Huan*
- 1108 **Diagnostic Value and Clinical Significance of G6PD Activity for the Mediterranean Anemia**  
*CHEN Yang, ZHANG Shu-Fang*

## ***Mesenchymal Stem Cells***

- 1112 **Pooled Umbilical Cord Blood Plasma for Culturing UCMSC and Ex Vivo Expanding Umbilical Cord Blood CD34 $^{+}$  Cells**  
*WU Jie-Ying, LU Yan, CHEN Jin-Song, WU Shao-Qing, TANG Xue-Wei, LI Yan*
- 1120 **Comparison of Biological Characteristics between Human Amnion Epithelial Cells and Human Amnion Mesenchymal Stem Cells**  
*GAN Wen-Ting, SUN Xin, LU Yan*
- 1125 **Role of Mesenchymal Stem Cells in Preventing GVHD: A Meta-Analysis**  
*WANG Li, GU Zhen-Yang, ZHAO Xiao-Li, WEI Hua-Ping, LUO Lan, ZHAO Sha-Sha, LIU Dai-Hong, WANG Quan-Shun, CAO Chun-Ji*

## ***Immune Hematology***

- 1133 **Amount Change of Peripheral Blood NK Cells in Patients with Hematologic Malignancies and Its Clinical Significance**  
*ZHENG Shu-Xia, XIE Ruo-Teng, GUAN Rui-Ting, GUO Jian-Xin*

## ***Transfusion Medicine***

- 1138 **Anti-A/B Antibody Titers in Group O Healthy Donors in Hainan Province Area**  
*YU Shuai, HUANG Yong-Wen, WANG Xiao-Xi, WU Yue-Qing, LIN Meng-Xia, YU Yang, LUO Qun*
- 1144 **Sequence Analysis of A Novel HLA-B \* 13:68 Allele**  
*HAN Bin, HAN Li, FENG Zhi-Hui, CHI Xiao-Yun, JIAO Shu-Xian*
- 1147 **Identification of B (A) Blood Group and Blood Transfusion for patients with B (A) Blood Group**  
*WANG Chao, LI Su-Ping, WU Xue-Zhong, LI Min, XING Xin, WANG Lun-Shan, LU Rong*
- 1152 **Evaluation of Storage Performance of Preserving Bags for Manually Separated Platelets**  
*LIU Min-Xia, DUAN Lan, WANG Jie-Xi, WANG Yan, ZHUO Hai-Long, CAI Li-Na, YI Xiao-Yang, ZHOU Jian-Wei, WANG Jian-Wei, HAN Ying*

## ***Myeloid Sarcoma***

- 1156    **Clinical Characteristics and Therapeutic Efficacy Evaluation of 14 Cases of Solitary Myeloid Sarcoma**  
 WANG Jin-Huan, ZHAO Wei-Peng, TIAN Chen, YANG Hong-Liang, YU Yong, WANG Ya-Fei, WANG Xiao-Fang, ZHAO Zhi-Gang,  
 ZHANG Yi-Zhuo

## ***Telangiectasia***

- 1161    **Pathogenic Genes of A Hereditary Hemorrhagic Telangiectasia Pedigree**  
 CHENG Xiao-Hui, TU Chuan-Qing, SUN Shun-Chang, LI Jian-Yun, ZHANG Xu-Yan, WANG Dian-Wen, HUANG Can

## ***POEMS Syndrome***

- 1165    **Morphology Manifestation of Bone Marrow Cells in 155 Newly-Diagnosed Patients with POEMS Syndrome**  
 JIANG Xian-Yong, ZHAO Xiao-Peng, GE Chang-Wen, ZHOU Dao-Bin, LI Jian

## ***Laboratory Technology in Hematology***

- 1168    **In vivo Cell CFSE Fluorescence Negative Staining for Detection of Super Paramagnetic Iron Oxide Nanoparticles Phagocytosed by Mouse Mononuclear Macrophage Leukemia Cells—RAW264.7**  
 HE Xiang-Feng, YANG Li-Ping, CHEN Bao-An, WANG Jian-Hong, WEN Song, SHI Wen, XU Wei-Wei, LING Guo-Jie

## **REVIEWS**

- 1173    **Expression of MicroRNA-148/152 Family in the Hematological Malignancies—Review**  
 WANG Xiao-Xue, WANG Yue, WANG Ping-Ping, LI Yan
- 1179    **Exosomes Derived from Mesenchymal Stem Cells—the Future Ideal Vector of Biological Therapy—Review**  
 ZHANG Juan, SHI Jing-Shu, LI Jian
- 1184    **Advances of Researches on the Role of Histone Modification in Hematological Neoplasms—Review**  
 SUN Fang, PAN Yun, LI Yan
- 1190    **Research Progress on DKK1 Gene in Leukemia—Review**  
 LIU Feng-Zhi, WANG Ji-Shi, ZHU Hong-Qian
- 1194    **Effect of Ikaros in B Cell Acute Lymphoblastic Leukemia —Review**  
 ZHANG Hai-Ying, BAI Hai
- 1199    **Genomic Instability in Acute Transformation of Chronic Myelogenous Leukemia —Review**  
 GUO Su-Qing, LI Ying-Hua
- 1203    **Advances on Extracorporeal Photochemotherapy in the Treatment of Chronic Graft-Versus-Host Disease —Review**  
 CHEN Run-Zhe, CHEN Bao-An, CHENG Jian
- 1208    **Research Progress on Cytometric Bead Assay for Platelet Antibody Detection —Review**  
 LING Yun, KONG Xin, CHEN Bao-An
- 1212    **Treatment Progress of Immune Thrombocytopenia—Review**  
 WU Bing, WEI Yan, ZHANG Qian
- 1216    **Research Progress on Pathogenesis of Aplastic Anemia—Review**  
 LIU Hai-Yun, LIU Ting-Ting
- 1221    **Research Progress on TKI Resistance of CML Cells Mediated by MSC through CXCL12/CXCR4 Axis —Review**  
 FANG Li-Jun, TU Huai-Jun, LI Jian

国药准字S20030014  
国药准字S20030015



# 迈格尔® 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

### 产品特点

- 促进主动生成血小板，针对根本
- 持久提升血小板
- 治疗肿瘤化疗后血小板减少

### 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。  
本广告仅供医学药学专业人士阅读！



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

京药广审(文)第2014120800

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  
网址：<http://www.slpharm.com.cn>