

中文核心期刊(Core Journal of China)
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),ELSEVIER,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, 2015年中国国际影响力优秀学术期刊

ISSN 1009-2137

CN 11-4423/R

中国实验血液学杂志

ZHONGGUO SHIYAN XUEYEXUE ZAZHI

2016年10月 第24卷 第5期

JOURNAL OF EXPERIMENTAL HEMATOLOGY

Volume 24

Number 5

October 2016

ISSN 1009-2137



万方数据

中国病理生理学会
CHINESE
ASSOCIATION OF
PATHOPHYSIOLOGY

目次

论著

恶性血液肿瘤基础与临床

- 1289 组合探针 FISH 在 3 种恶性血液病中的诊断价值
秦尤文, 王小蕊, 杨一宁, 王椿
- 1294 恶性血液肿瘤中 ADAMTS13 活性与 TSP1 水平改变
孙彩凤, 赵霞, 韩芳, 贾琦, 王棕, 鲁光, 丁慧芳

白血病基础与临床

- 1299 重亚硫酸氢盐测序法检测 Wnt 信号通路抑制基因在急性早幼粒细胞白血病细胞中甲基化变化
晏建国, 付海英, 沈建箴, 周华蓉, 张媛媛, 黄劲龙, 陈聪杰, 黄思晗
- 1305 LNK 基因单核苷酸多态性与急性白血病易感性研究
吴柳松, 韩春生, 谭梅, 朱平, 卜方定, 张英, 陈艳, 伍学强 4
- 1312 N-cadherin 在急性白血病患者骨髓白血病细胞中的表达及意义
马杰, 刘亚杰, 张秋堂, 余庆峰, 张占芳, 张梦颖, 王冲, 甘思林, 陈胜梅, 曹伟杰, 谢新生, 刘延方, 刘林湘, 万鼎铭, 王芳, 孙玲, 孙慧
- 1319 急性髓系白血病患者胰岛素样生长因子结合蛋白 3 的表达及其意义
孙洪芝, 孟凡杰, 郭恒岳
- 1324 费城染色体阳性急性淋巴细胞白血病小鼠模型的建立和鉴定
王雪, 祁娜, 马莎, 宋旭光, 闫志凌, 吴庆运, 王林, 陈种, 徐开林
- 1329 人源化慢性髓系白血病小鼠模型的建立
徐玉洁, 贾文华, 刘苍春, 陈婉如, 李德鹏, 黄一虹

抗白血病基础与临床

- 1334 地西他滨联合 CAG 方案治疗 AML1-ETO⁺ AML 的临床效果
刘强, 费小明
- 1339 半枝莲对白血病 K562 细胞 VEGF 表达的影响
石锐, 郭素青, 刘珊, 李志赏, 李君君
- 1343 地西他滨联合三氧化二砷对急性髓系白血病 MV4-11 细胞增殖和凋亡的影响
陈思思, 赵彦平, 吴文忠, 马铁梁, 陈苏宁
- 1348 达沙替尼治疗慢性髓系白血病导致乳糜胸 3 例
杨岚, 吕娜, 靖蕊, 于力
- 1354 青少年急性淋巴细胞白血病孤立卵巢复发的临床病理特点
于亚平, 宋萍, 梅建刚, 安志明, 周晓刚, 李峰, 王利平, 唐玉梅, 翟勇平
- 1360 抗 CD44 单克隆抗体 A3D8 对 HL-60 细胞 AP-1 表达的影响
李杰, 杨洁, 袁军, 李燕, 王瑞仓, 王素云, 郝洪岭
- 1365 动态增强磁共振成像在评估急性白血病骨髓浸润中的诊断价值
刘德浩, 汪敬群, 吴小强, 庄雄杰, 周勇
- 1369 二氢杨梅素对 K562/A02 细胞阿霉素耐药性的逆转作用
李碧蓉, 王乐, 韩维娜, 夏琳钦, 唐姝

- 1375 中性粒细胞 CD64 阳性指数对白血病患者早期感染的诊断价值
郭剑, 贾军, 车文忠, 袁汶, 孔丽蕊

淋巴瘤基础与临床

- 1379 H3K27 的三甲基化蛋白在初治弥漫大 B 细胞淋巴瘤的表达及对预后的影响
邓玉洁, 陈刚, 朱伟峰, 芮红兵, 洪华兰, 陈君敏
- 1386 非霍奇金淋巴瘤患者化疗前后细胞质胸苷激酶的变化及临床意义
吴宝花, 梁双吟, 郭熙哲
- 1390 血循环 DNA 在淋巴瘤中的定量检测及其临床意义
陈园园, 郭素青, 李英华, 王东梅, 刘晓, 张永晓, 王树叶
- 1397 HBV 感染对淋巴瘤患者自体外周血造血干细胞采集及植入的影响
王晓宁, 贺鹏程, 郭彩利, 孙春红, 张梅, 刘华胜
- 1404 淋巴细胞单核细胞比值对原发胃肠弥漫大 B 细胞淋巴瘤患者的临床特征和预后影响
徐玉秀, 张勇刚, 许春玲, 刘农军
- 1410 霍奇金淋巴瘤初次治疗患者 EBV 感染的预后研究
尹俊杰, 梁波, 鲁一, 展新荣
- 1416 原发性中枢神经系统淋巴瘤 PET/CT 影像表现
尹亮, 林志春, 岳建兰, 黄世明, 陈薇

多发性骨髓瘤基础与临床

- 1421 GRK6 对多发性骨髓瘤 MM1R 细胞增殖的作用及其作用机制的初步研究
张之尧, 陈丽丽, 范国琴, 闫志凌, 徐开林, 李振宇
- 1427 CD200 和调节性 T 细胞的相关性在多发性骨髓瘤预后分层中的意义
朱明霞, 王文丽, 李海中, 王艳芳, 王晶, 零惠森, 闫新星, 克晓燕
- 1433 骨标志物与多发性骨髓瘤疾病进展的相关性研究
刘彦, 克晓燕, 田磊, 万伟, 董菲, 王晶
- 1437 CD138 磁珠分选结合间期荧光原位杂交在浆细胞病遗传学诊断中的应用价值
梅建刚, 李翰卿, 曹红琴, 邵靓婧, 翟勇平
- 1443 多发性骨髓瘤患者骨髓单个核细胞中 Blimp-1 mRNA 的检测及其临床意义
胡文坛, 刘俊文, 刘红春, 王婷婷
- 1449 丙戊酸钠对多发性骨髓瘤 RPMI 8226 细胞 Notch 通路的影响
乔莲, 杨悦, 赵瑞娟, 王丽红, 赵蕾, 闫丽娜, 张志华, 郝长来
- 1454 BD 方案联合环磷酰胺和吡柔比星治疗复发/难治性多发性骨髓瘤疗效观察
王玉芬, 徐文君, 陈玉丽, 马晓环, 邱志远, 任翠爱
- 1459 三氧化二砷联合伊曲康唑对多发性骨髓瘤细胞 Hedgehog 信号通路的影响及抗肿瘤活性实验研究
黄晓兵, 石毅, 王春森, 王晓冬, 陈姣, 车菲菲
- 1466 S100A6 mRNA 在多发性骨髓瘤病人中的表达及意义
包红雨, 王建宁, 孟庆齐, 宋敏, 付行才, 侯艳秋, 张柳波, 蒋苏豫
- 1470 CP 节律性化疗对 RPMI 8226 细胞增殖及其 Notch1/NF- κ B 信号通路的影响
郭列平, 周帆, 石昊天, 陈海敏, 凌晨晖, 陈小玲, 侯健

骨髓增生异常综合征

- 1476 miR-550a-5p 在骨髓增生异常综合征中的表达及其靶基因预测
黄莹, 文静, 李虹颖, 张绪萍, 邓东红, 程鹏, 彭志刚, 赵卫华, 罗军, 龙媛, 刘振芳
- 1484 两种化疗方案治疗高龄 MDS 患者继发 AML 的临床对比研究
周仲昊, 赵晓红, 陆时运, 王晨, 王智

血小板、血栓、贫血病

- 1489 血小板活化白血病细胞 L1210 中 AKT 及 ERK 信号通路并降低其对多种药物的敏感性
胡雅彬,邵联波,赵路,沈莹,吴坤,王宜强
- 1495 中国甘肃省血友病中心 223 例血友病患者临床分析
牟晓丽,赵悦,陈泽华,丁永强,李明,贾明峰,席亚明
- 1500 *IL-2-330T/G* 基因多态性与再生障碍性贫血遗传易感性和免疫抑制治疗疗效的关系
曾强,常红
- 1505 淋巴细胞亚群在再生障碍性贫血和低增生性骨髓增生异常综合征患者外周血中的表达分析
吕远飞,闫振宇,陈乃耀,武建辉,刘斌,王国立,王京
- 1511 聚乙二醇化重组人改构白介素 11 对骨髓抑制的小鼠促血小板生成作用的评价
马杉姗,胡成炫,王洪领,聂李亚,许松山
- 1518 儿童急、慢性特发性血小板减少性紫癜 *HPA* 基因多态性分析
唐利娟,周晓姮,宾琼,黄小花,罗建明
- 1523 急性髂股静脉血栓模型大鼠血清 D-二聚体、纤维蛋白原、C 反应蛋白、白介素 6 与血栓溶解体积之间的关联研究
王琦,孙思翹,程志华,王中英,刘超

造血干细胞移植

- 1529 血细胞分离机不同采集程序对外周血造血干细胞分离效果的影响
王晓宁,姚建娜,刘芳,王晓娟,马娟娟,郭彩利,刘华胜,贺鹏程,张梅,孙春红

系统性红斑狼疮

- 1533 系统性红斑狼疮外周血 Tc 与 Th 细胞漂移的变化及意义
顾卫军,张庆国,朱伟,郭玉琳,张鲁勤

免疫血液学

- 1539 共刺激分子 B7-H1、B7-H3 和 B7-H4 在血液系统恶性肿瘤细胞株中的表达水平和分布特征
张巍,王晶,王艳芳,朱明霞,万文丽,李海申,仵菲斐,闫新星,克晓燕

中性粒细胞

- 1547 体外培养中性粒细胞的活力、凋亡、活性氧变化趋势研究
李海宁,赵绍林,杨晋,李伟

染色体

- 1552 Prp19 干涉导致细胞染色体错误排列及有丝分裂前中期阻滞
李昂,孙兴,范克科

输血医学

- 1558 HLA 新等位基因 B*13:92 的确认及蛋白质三级结构的初步分析
裴永峰,黄惠妮,李恒聪,吴国光
- 1563 ABO 变异型 B305 血型基因亚型的鉴定及序列分析
李归冀,章旭
- 1567 应用多重 PCR 技术筛选中国新疆少数民族 $Di^{(b-)}$ 、 $Co^{(a-)}$ 稀有血型
乔艳辉,张洪斌,郭伟鹏
- 1572 中国厦门地区献血者细小病毒 B19 感染情况研究
欧山海,谢金镇,张雅丽,倪宏英,宋秀宇
- 1577 输注红细胞对恶性血液病患者 T 淋巴细胞亚群的影响
叶芳,张莉萍
- 1583 南阳市 RhD/C/c/E/e 血型分型库建立的意义及应用
李海云,程从远

综述

- 1588

程序性坏死在恶性血液病中的研究进展
迟昨非, 杨威, 何秋颖, 符爽, 傅煜
- 1594

TIM-3、LAG-3 和 BTLA 介导的血液肿瘤免疫耐受及其逆转研究
陈少华, 查显丰, 李扬秋
- 1598

大剂量地塞米松冲击疗法及其在儿童免疫性血小板减少症中的应用
傅玲玲, 吴润晖
- 1603

血小板在组织修复中作用的研究进展
吴宇璐, 乔建林, 徐开林, 曾令宇
- 1607

生物电化学在检测恶性血液性疾病方面的研究进展
王玉洁, 陈宝安
- 1611

流式细胞术诊断多发性骨髓瘤的研究进展
鲍志军, 刘旭

读者 · 作者 · 编者

- 扉 1

《中国实验血液学杂志》第七届编辑委员会
- 扉 1

《中国实验血液学杂志》荣获多家权威机构公布的“核心期刊”称号和文献数据库收录
- 扉 2

《中国实验血液学杂志》全文电子版查阅和下载方法
- 扉 2

《中国实验血液学杂志》投稿简则
- 封三

在 PubMed, MEDLINE 中搜索时, 可用本刊国际刊号 1009 - 2137 作为《中国实验血液学杂志》刊名输入

JOURNAL OF EXPERIMENTAL HEMATOLOGY

(Established in April, 1993)

Bimonthly Volume 24 Number 5

October, 2016

Contents

ORIGINAL ARTICLES

Basis and Clinic of Hematological Malignancy

- 1289 **Value of a Panel Fluorescence *in Situ* Hybridization in Three Kinds of Hematological Malignancies**
QIN You-Wen, WANG Xiao-Rui, YANG Yi-Ning, WANG Chun
- 1294 **Changes of ADAMTS13 Activity and TSP1 Level in Patients with Hematologic Malignancies**
SUN Cai-Feng, ZHAO Xia, HAN Fang, JIA Qi, WANG Liang, LU Guang, DING Hui-Fang

Leukemia Basis and Clinic

- 1299 **Application of Bisulfite Sequencing PCR in Detecting the Abnormal Methylation of Suppressor Gene of Wnt Signaling Pathway in Acute Promyelocytic Leukemia**
YAN Jian-Guo, FU Hai-Ying, SHEN Jian-Zhen, ZHOU Hua-Rong, ZHANG Yuan-Yuan, HUANG Jing-Long, CHEN Cong-Jie, HUANG Si-Han
- 1305 **LNK Gene Single Nucleotide Polymorphisms and Acute Leukemia Susceptibility**
WU Liu-Song, HAN Chun-Sheng, TAN Mei, ZHU Ping, BU Fang-Ding, ZHANG Ying, CHEN Yan, WU Xue-Qiang
- 1312 **Expression and Clinical Significance of N-cadherin in Bone Marrow Leukemic Cells Derived from Patients with Acute Leukemia**
MA Jie, LIU YA-Jie, ZHANG Qiu-Tang, YU Qing-Feng, ZHANG Zhan-Fang, ZHANG Meng-Ying, WANG Chong, GAN Si-Lin, CHEN Sheng-Mei, CAO Wei-Jie, XIE Xin-Sheng, LIU Yan-Fang, LIU Lin-Xiang, WAN Ding-Ming, WANG Fang, SUN Ling, SUN Hui
- 1319 **Expression and Significance of Insulin-like Growth Factor Binding Protein 3 in Patients with Acute Myeloid Leukemia**
SUN Hong-Zhi, MENG Fan-Jie, GUO Heng-Yue
- 1324 **Establishment and Identification of Mouse Model of Philadelphia Chromosome Positive Acute Lymphoblastic Leukemia**
WANG Xue, QI Na, MA Sha, SONG Xu-Guang, YAN Zhi-Ling, WU Qing-Yun, WANG Lin, CHEN Chong, XU Kai-Lin
- 1329 **Establishment of Mouse Model with Humanized Chronic Myeloid Leukemia**
XU Yu-Jie, JIA Wen-Hua, LIU Cang-Chun, CHEN Wan-Ru, LI De-Peng, HUANG Yi-Hong

Antileukemia Basis and Clinic

- 1334 **Clinical Efficacy of Decitabine Combined with Modified CAG Regimen for Relapse/Refractory Acute Myeloid Leukemia with AML1-ETO⁺**
LIU Qiang, FEI Xiao-Ming
- 1339 **Effects of Scutellaria Barbata on VEGF Expression in K562 Cells**
SHI Rui, GUO Su-Qing, LIU Shan, LI Zhi-Shang, LI Jun-Jun
- 1343 **Effect of Decitabine in Combination with Arsenic Trioxide on Proliferation and Apoptosis of Human Acute Myeloid Leukemia MV4-11 Cells**
CHEN Si-Si, ZHAO Yan-Ping, WU Wen-Zhong, MA Tie-Liang, CHEN Su-Ning
- 1348 **Chylothorax Related with Dasatinib in the Treatment of Chronic Myeloid Leukemia: Report of 3 Cases**
YANG Lan, LU Na, JING Yu, YU Li
- 1354 **Clinicopathologic Characteristics and Outcome of Isolated Ovarian Relapse in Adolescent with Acute Lymphoblastic Leukemia**
YU Ya-Ping, SONG Ping, MEI Jian-Gang, AN Zhi-Ming, ZHOU Xiao-Gang, LI Feng, WANG Li-Ping, TANG Yu-Mei, ZHAI Yong-Ping

1360 **Effect of Anti-CD44 Monoclonal Antibody A3D8 on Expression of AP-1 in HL-60 Cells**
LI Jie, YANG Jie, YUAN Jun, LI Yan, WANG Rui-Cang, WANG Su-Yun, HAO Hong-Ling

1365 **Value of Dynamic Contrast-Enhanced Magnetic Resonance Imaging for Evaluating Diffuse Tumor Infiltration of Bone Marrow in Patients with Acute Leukemia**
LIU De-Hao, WANG Jing-Qun, WU Xiao-Qiang, ZHUAN Xiong-Jie, ZHOU Yong

1369 **Reversal Effect of Dihydromyricetin on Drug Resistance of K562/A02 Cell Line to Adriamycin**
LI Bi-Rong, WANG Le, HAN Wei-Na, XIA Lin-Qin, TANG Shu

1375 **Diagnostic Value of CD64⁺ Index of Neutrophils for Patients with Leukemia Combined with Early Infection**
GUO Jian, JIA Jun, CHE Wen-Zhong, YUAN Wen, KONG Li-Rui

Lymphoma Basis and Clinic

1379 **Expression and Prognostic Significance of H3K27 Trimethylation Protein in DLBCL**
DENG Yu-Jie, CHEN Gang, ZHU Wei-Feng, RUI Hong-Bing, HONG Hua-Lan, CHEN Jun-Min

1386 **Change of TK1 Expression Level in NHL Patients before and after Chemotherapy and Its Clinical Significance**
WU Bao-Hua, LIANG Shuang-Yin, GUO Xi-Zhe

1390 **Quantitation of Circulating Cell-free DNA in Patients with Lymphoma and Its Clinical Significance**
CHEN Yuan-Yuan, GUO Su-Qing, LI Ying-Hua, WANG Dong-Mei, LIU Xiao, ZHANG Yong-Xiao, WANG Shu-Ye

1397 **Effects of Hepatovirus B Infection on the Hematopoietic Stem Cell Collection and Implantment in Lymphoma Patients Received Autologous Peripheral Blood Hematopoietic Stem Cell Transplantation**
WANG Xiao-Ning, HE Peng-Cheng, GUO Cai-Li, SUN Chun-Hong, ZHANG Mei, LIU Hua-Sheng

1404 **Effect of Lymphocyte/Monocyte Ratio on Clinical Features and Prognosis of Patients with Primary Gastrointestinal Diffuse Large B Cell Lymphoma**
XU Yu-Xiu, ZHANG Yong-Gang, XU Chun-Ling, LIU Nong-Jun

1410 **Infection Status and Prognosis Analysis of Epstein-Barr Virus in Patients with Newly Diagnosed Hodgkin's Lymphoma**
YIN Jun-Jie, LIANG Bo, LU Yi, ZHAN Xin-Rong

1416 **Manifestations of PET/CT Imaging in Primary Central Nervous System Lymphoma**
YIN Liang, LIN Zhi-Chun, YUE Jian-Lan, HUANG Shi-Ming, CHEN Wei

Basis and Clinic of Multiple Myeloma

1421 **Effect of GRK6 on Proliferation of Multiple Myeloma MM1R Cells and Its Mechanism**
ZHANG Zhi-Yao, CHEN Li-Li, FAN Guo-Qin, YAN Zhi-Ling, XU Kai-Lin, LI Zhen-Yu

1427 **Correlation between Expression of CD200 and Regulatory T Cells in Multiple Myeloma and Its Significance in Prognostic Stratification**
ZHU Ming-Xia, WAN Wen-Li, LI Hai-Shen, WANG Yan-Fang, WANG Jing, LING Hui-Sen, Yan Xin-Xing, KEI Xiao-Yan

1433 **Relationship between Bone Markers and the Progression of Multiple Myeloma**
LIU Yan, KE Xiao-Yan, TIAN Lei, WAN Wei, DONG Fei, WANG Jing

1437 **Application Value of CD138 MACS-FISH in the Genetic Diagnosis of Plasma Cell Dyscrasia**
MEI Jian-Gang, LI Han-Qing, CAO Hong-Qin, SHAO Jing-Jing, ZHAI Yong-Ping

1443 **Expression of Blimp-1 mRNA in Bone Marrow Mononuclear Cells in Multiple Myeloma Patients and Its Clinical Significance**
HU Wen-Tan, LIU Jun-Wen, LIU Hong-Chun, WANG Ting-Ting

1449 **Effects of VPA on the Expression of Notch Signaling Pathway in Multiple Myeloma RPMI 8226 Cell Line**
QIAO Lian, YANG Yue, ZHAO Rui-Juan, WANG Li-Hong, ZHAO Lei, YAN Li-Na, ZHANG Zhi-Hua, HAO Chang-Lai

1454 **Effect of BD Regimen Combined with Cyclophosphamide and Pirarubicin in Treatment of Relapse/Refractory Multiple Myeloma**
WANG Yu-Fen, XU Wen-Jun, CHEN Yu-Li, MA Xiao-Huan, QIU Zhi-Yuan, REN Cui-Ai

1459 **Synergistic Inhibitory Effect of Arsenic Trioxide Combined with Itraconazole on Hedgehog Pathway of Multiple Myeloma NCI-H929 Cells**
HUANG Xiao-Bing, SHI Yi, WANG Chun-Sheng, WANG Xiao-Dong, CHENG Jiao, CHE Fei-Fei

1466 **Expression Level of *S100A6* mRNA in MM and Its Clinical Significance**
BAO Hong-Yu, WANG Jian-Nin, MENG Qing-Qi, SONG Min, FU Xing-Cai,
HOU Yan-Qiu, ZHANG Liu-Bo, JIANG Su-Yu

1470 **Effect of CP Metronomic Chemotherapy on RPMI 8226 Cell Proliferation and Notch1/NF- κ B Signaling Pathway *In Vitro***
GUO Lie-Ping, ZHOU Fan, SHI Hao-Tian, CHEN Hai-Min, LIN Chen-Hui, CHEN Xiao-Ling, HOU Jian

Myelodysplastic Syndrome

1476 **Expression of miR-550a-5p in Myelodysplastic Syndrome and Its Prediction of Target Genes**
HUANG Ying, WEN Jing, LI Hong-Ying, ZHANG Xu-Pai, DENG Dong-Hong,
CHENG Peng, PENG Zhi-Gang, ZHAO Wei-Hua,
LUO Jun, LONG Yuan, LIU Zheng-Fang

1484 **Clinical Comparison of Two Kinds of Chemotherapy Regimen in the Treatment of Elderly MDS Patients with AML Transformed by Abnormal Proliferation of Bone Marrow**
ZHOU Zhong-Hao, ZHAO Xiao-Hong, LU Shi-Yun, WANG Chen, WANG Zhi

Thrombocyte , Thrombocyte Disease , Anemia and Thrombosis

1489 **Platelets Decrease the Sensitivity of Leukemia Cell L1210 to Multiple Drugs via Activating The AKT and ERK Signalling Pathway**
HU Ya-Bin, SHAO Lian-Bo, ZHAO Lu, SHEN Ying, WU Kun, WANG Yi-Qiang

1495 **Clinical Characteristics of 223 Chinese Patients with Hemophilia in A Medical Center of Gansu Province in China**
MOU Xiao-Li, ZHAO Yue, CHEN Ze-Hua, DING Yong-Qiang, LI Ming, JIA Ming-Feng, XI Ya-Ming

1500 **Correlation of SNP of *IL-2 -330T/G* Gene with Genetic Susceptibility and Efficacy of Immunosuppressive Therapy in Patients with Aplastic Anemia**
ZENG Qiang, CHANG Hong

1505 **Analysis of Lymphocyte Subsets in Peripheral Blood of Patients with Aplastic Anemia or Hypoplastic Myelodysplastic Syndrome**
LV Yuan-Fei, YAN Zheng-Yu, CHEN Nai-Yiao, WU Jian-Hui, LIU Bin, WANG Guo-Li, WANG Jing

1511 **Thrombocytopoietic Efficacy of Pegylated Recombinant Human Interleukin-11 Mutein in Myelosuppressed Mice**
MA Shan-Shan, SEONG-Hyun Ho, WANG Hong-Ling, NIE Li-Ya, XU Song-Shan

1518 **Analysis of *HPA* gene Polymorphisms in Children with Acute or Chronic ITP**
TANG Li-Juan, ZHOU Xiao-Heng, BIN Qiong, HUANG Xiao-Hua, LUO Jiang-Ming

1523 **Relationship of Serum D-dimer, Fibrinogen, C Reactive Protein and Interleukin 6 with Thrombus Dissolution Volume in Acute Iliac Femoral Vein Thrombosis Model Rats**
WANG Qi, SUN Si-Qiao, CHENG Zhi-Hua, WANG Zhong-Ying, LIU Chao

Hematopoietic Stem Cell Transplantation

1529 **Effect of Different Procedures from Blood Cell Separators on Autologous PBSC Collection Efficiency**
WANG Xiao-Ning, YAO Jian-Na, LIU Fang, WANG Xiao-Juan, MA Juan-Juan, GUO Cai-Li, LIU Hua-Sheng,
HE Peng-Cheng, ZHANG Mei, SUN Chun-Hong

Systemic Lupus Erythematosus

1533 **Imbalance of Tc and Th in Peripheral Blood of Patients with Systemic Lupus Erythematosus and Its Significance**
GU Wei-Jun, ZHANG Qin-Guo, ZHU Wei, GUO Yu-Lin, ZHANG Lu-Qin

Immune Hematology

1539 **Expression and Subcellular Distribution of Costimulatory Molecules B7-H1, B7-H3 and B7-H4 in Human Hematologic Malignancy Cell Lines**
ZHANG Wei, WANG Jing, WANG Yan-Fang, ZHU Ming-Xia, WAN Wen-Li, LI Hai-Shen,
WU Fei-Fei, YAN Xin-Xing, KE Xiao-Yan

Neutrophils

1547 **Change Trend of Viability, Apoptosis and ROS Production of Neutrophil *in vitro* Culture**
LI Hai-Ning, Zhao Shao-Lin, Yang Jin, LI Wei

Chromosome

1552 **Knock-down of Pre-mRNA Splicing Factor Prp19 Causes Chromosome Misalignment and Prometaphase Arrest**
LI Ang, SUN Xing, FAN Ke-Ke

Transfusion Medicine

1558 **Identification of A Novel *HLA-B * 13 :92* Allele and Analysis of Its 3D Model Structure**
PEI Yong-Feng, HUANG Hui-Ni, LI Heng-Cong, WU Guo-Guang

1563 **Indentification and Sequence Analysis of A Individual with B305 Blood Group Gene Subtypes of ABO Variant**
LI Gui-Ji, ZHANG Xu

1567 **Application of Multiplex PCR for the Screening *Di^(b-)*, *Co^(a-)* Rare Blood Group in Chinese Xinjiang Minorities**
QIAO Yan-Hui, ZHANG Hong-Bin, GUO Wei-Peng

1572 **Prevalence of Parvovirus B19 Infection in Chinese Xiamen Area Blood Donors**
OU Shan-Hai, XIE Jin-Zhen, ZHANG Ya-Li, NI Hong-Ying, SONG Xiu-Yu

1577 **Effect of RBC Transfusion on T Lymphocyte Subsets of Patients with Hematologic Malignancies**
YE Fang, ZHANG Li-Ping

1583 **Significance and Clinical Application of the Establishment of RhD/C/c/E/e Blood Group Base in Chinese Nanyang City**
LI Hai-Yun, CHENG Cong-Yuan

REVIEWS

1588 **Research Progress of Necroptosis in Hematological Malignancies ——Review**
CHI Zuo-Fei, YANG Wei, HE Qiu-Ying, FU Shuang, FU Yu

1594 **Immune Tolerance Mediated by TIM-3, LAG-3 and BTLA and Their Reversion in Hematological Malignancies ——Review**
CHEN Shao-Hua, ZHA Xiang-Feng, LI Yang-Qiu

1598 **Pulsed High-dose Dexamethasone Therapy and Its Application in Children with Immune Thrombocytopenia ——Review**
FU Ling-Ling, WU Run-Hui

1603 **Research Progress on Roles of Platelets in Tissue Repair ——Review**
WU Yu-Lu, QIAO Jian-Lin, XU Kai-Lin, ZENG Ling-Yu

1607 **Research Progress in Detection of Malignant Hematologic Diseases by Bio-electrochemistry ——Review**
WANG Yu-Jie, CHEN Bao-An

1611 **Research Progress on Role of Flow Cytometry in Diagnosis of Multiple Myeloma ——Review**
BAO Zhi-Jun, LIU Xu

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