

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

中国知网CNKI, 万方数据库-数字化期刊群和中国科学引文数据库等收录源期刊

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



中国实验血液学杂志

ZHONGGUO SHIYAN XUEYEXUE ZAZHI

2019年2月 第27卷 第1期

JOURNAL OF EXPERIMENTAL HEMATOLOGY

Volume 27

Number 1

February 2019

中国病理生理学会
CHINESE
ASSOCIATION OF
PATHOPHYSIOLOGY



万方数据

目次

论著

白血病基础与临床

- 1 Ikaros 和 *FUT4* 在儿童急性淋巴细胞白血病中的表达及其相关性研究
易丽君,李红,郭智彬,刘志强,周菁,吴崇军,曾小平

抗白血病基础与临床

- 7 长柱重楼皂苷抑制急性髓系白血病细胞增殖的机制研究
陆芹,郑云菁,胡映歆,王跃虎,毛新良,胡绍燕
- 14 细胞保存液提高中枢神经系统白血病检出率的实验研究
麦秋穗,何均娟,覃洁莉,林榕,黄一可,刘松坚,郑少燕,黄茜,杨默,江千里
- 20 转录因子 SOX4 在急性髓系白血病中的表达水平及临床意义
赵佳琳,张正昊,张瑞,袁海龙,陈刚,张娟,玛利娅木哈什,曲建华*
- 25 酪氨酸激酶抑制剂对 CML 患者 Th1、Treg 细胞的影响
代景莹,杨曦,魏卿,李慧,黄晓兵,王晓冬
- 33 80 岁以上老年急性髓系白血病 24 例临床分析
孟广强,陈以娟,郭慧霞,王敏,武悦,李星,尚禹汐,李茜,王立茹
- 39 尿液氨基酸代谢物与肿瘤特异性生长因子联检在评估急性白血病疗效中的应用价值
姚立腾,叶秀娟,楚文广
- 45 STAT3 基因在急性髓系白血病中的表达及临床意义
黄成双,谭梅,张相梅,罗茜,田润梅,苏琼,吴柳松,陈艳

淋巴瘤基础与临床

- 52 68 例原发肠道弥漫大 B 细胞淋巴瘤患者的不同分期系统比较及预后分析
王希,王超雨,许雯,杨洪亮,赵海丰,王晓芳,王亚非,于泳,张翼鹭
- 61 148 例原发性弥漫大 B 细胞淋巴瘤的生存分析
许亚茹,刘莉,任秀红,刘平平,张浩,郑力,张松松,周立强,郭振兴
- 67 弥漫大 B 细胞淋巴瘤患者外周血 CD14⁺ 单核细胞 TF、VEGF 表达的临床意义
江亚军,朱贵华,何耀,柴星星,杨小云,孟凡静,庄万传
- 74 中期 PET/CT 在 227 例弥漫大 B 细胞淋巴瘤患者预后评估中的价值研究
王瑞民,李菲,刘长滨,关志伟,富丽萍,徐白莹,朱海燕
- 80 恶性淋巴瘤伴贫血患者红细胞寿命测定意义初步探讨
裴强,申浩睿,张薇,周道斌
- 86 二例肾脏原发性非霍奇金淋巴瘤临床病理观察
孙阳阳,周晓莉,高蔚,程羽青
- 91 EBV 感染与霍奇金淋巴瘤肿瘤坏死因子 α 诱导蛋白 3 基因及 A20 蛋白表达的相关性分析
徐玉秀,马东升,王萌,杨静

多发性骨髓瘤基础与临床

- 96 多发性骨髓瘤维持治疗阶段患者生活质量及相关因素研究
许艳洁,许雯,陈静,田晨,杨洪亮,赵海丰,王晓芳,王亚非,于泳,张翼鹭
- 104 86例初诊多发性骨髓瘤患者血钙水平的临床资料分析
张锦,杨洁,王盼盼,张鹏鹏,袁茂文,马转珍,周琪,魏同,毛夏丽,李明,赵龙,张豪,席亚明
- 110 R-ISS分期系统在初发412例多发性骨髓瘤中的临床应用
陈海敏,韦苇,彭嵘,石昊天,陈小玲,吴丽霞,周念,周帆
- 115 红细胞分布宽度在老年非移植多发性骨髓瘤患者中的预后价值探讨
孙超,叶鉴南,王欢,朱健伟,周新,李建勇
- 123 *C/EBP α* 基因在老年多发性骨髓瘤中的表达及临床意义
臧玉柱,陈香丽,白炎亮,张文荟,于润红
- 129 U266细胞对硼替佐米耐药后自噬活性的变化及机制
张诚,万鼎铭,曹伟杰,张阳,党惠兵,魏玉静

骨髓增生异常综合征

- 134 miR-99a-5p在MDS患者骨髓中的表达及功能分析
乐颖,张绪萍,熊艳秋,李虹颖,赵卫华,龙媛,罗军,程鹏,刘振芳
- 141 利用CD105和CD117建立双参数积分系统在MDS诊断中的应用
郑晨,王亚哲,袁晓英,常艳,石红霞,赖悦云,黄晓军,刘艳荣
- 149 骨髓增生异常综合征患者骨髓与循环肿瘤DNA突变位点一致性的分析
赵攀,朱千贇,范腾,刘为易,肖海燕,秦嘉岳,黄刚,胡晓梅
- 159 *BCR-ABL*阴性骨髓增殖性肿瘤208例临床分析
沈庆慧,郭玉洁,薛春娥,王艳,林凤茹

贫血病与血小板、血栓疾病

- 165 血液学指标在中国福建地区 α -地中海贫血筛查中的价值
谢屿平,曹颖平,祝先进,刘宏津,刘锦,周文娟,卢婷霞
- 170 中国武汉地区新生儿 β -地中海贫血基因型分析
熊乾,胡晔江,戴翔,周斌,蔡文倩
- 175 免疫性血小板减少症患者调节性B细胞变化与临床意义
朱世荣,湛海燕,王明镜,许勇钢,全日城,丁晓庆,赵攀,王洪志,郭小青,胡晓梅
- 180 ITP患者外周血Th9、Th17和Treg细胞水平及IL-9、IL-17和TGF- β 表达在ITP发病中的作用
周正菊,张友山,梁彩霞,杨章元
- 185 按需治疗血友病患者关节健康状况临床分析
马乐,范猛,薛峰,姜文学
- 192 501例新生儿溶血病筛查结果分析
杨璇,陈富臻,洪强
- 197 自身免疫性溶血性贫血患者IgG亚类与血细胞参数的相关性研究
李廷孝,孙福廷,冀宝军
- 202 133例老年大细胞性贫血的病因分析及实验室指标的诊断价值
周栋,慕俐君,张旗,黄丹,陈雪瑜
- 208 流式微球法检测vWF活性及其在评估脑卒中预后中的应用
闫彬,何杨,陆士奇,徐梦乔,王琪,赵益明,阮长耿

细胞生物学

- 215 冻存脐带血中内皮祖细胞的分离培养及生物学特性鉴定
付亚茹,孙阳阳,王洪星,刘小盾,曲廷瑜

- 221 人脐带间充质干细胞来源外泌体对 Treg 和 TH17 细胞的调节作用
郭礼妍, 赖沛龙, 耿素霞, 陈晓梅, 王玉连, 黄恬, 杜欣, 翁建宇
- 227 293T 细胞模型中整合素 $\beta 3$ 胞浆尾段不同氨基酸基序对 $\alpha II b\beta 3$ 介导的细胞功能的影响
李东亚, 毛建华, 张威, 陈欣洁, 肖兵, 阮铮, 王韵, 蒋国雄, 施小凤, 奚晓东

造血干细胞生物学

- 233 化疗引起的骨髓基质细胞损伤对正常造血细胞的影响
李云辉, 刘喆, 李欢, 徐颖茜, 邢海燕, 田征, 唐克晶, 王敏, 饶青

造血干细胞移植

- 239 异基因造血干细胞移植术后微生物多样性的变化与肠道移植物抗宿主病的关系
陈小玉, 王顺清

免疫血液学

- 246 WAS 基因突变与临床表型的相关性分析
郑云菁, 陆芹, 姚艳华, 何海龙, 李建琴, 肖佩芳, 胡绍燕

输血医学

- 253 7 家血站实验室抗 - HCV ELISA 试验临界值评价
刘正敏, 王瑞, 黄力勤, 胡京辉, 常乐, 甄伟, 王鹏, 王芳, 魏超, 朱绍汶, 曾劲峰, 释艳华, 郑伟, 王露楠, 葛红卫
- 260 化学发光法与电化学发光法筛查献血者梅毒抗体的检测性能评价
陈剑锋, 李文超, 常乐, 曹丹, 唐建华, 肖晨, 张传兴
- 266 已知 HLA 单采血小板供者资料库库容估计
薛敏, 潘芹芹, 樊魁, 王晓艳, 赵芳, 刘太香, 史丽莉, 马玲, 沈捷

临床血液学技术

- 272 外周静脉置入中心静脉导管(PICC)在血液疾病患者中导管相关性血流感染及血栓形成的风险分析
范彬, 黄芬, 张玉红, 梅贻红

综述

- 277 线粒体调控造血干细胞功能的研究进展
刘子闲, 董芳, 张森, 韩明哲, 依马秀夫
- 283 间充质干细胞防治移植物抗宿主病的研究进展
王利, 马得勤, 刘书锋, 高春记
- 288 胞外囊泡在恶性血液病患者骨髓微环境中作用的研究进展
费成明, 常春康
- 292 慢性淋巴细胞白血病中的单核/巨噬细胞研究进展
马小雯, 杨林花
- 297 C - Myc 在慢性髓系白血病中的作用机制研究进展
汤慧敏, 李玉峰
- 301 非霍奇金淋巴瘤分子遗传学特征及预后研究进展
王振华, 许鸣, 顾晓琳, 徐志, 虞飞燕
- 306 粪菌移植的研究现状及其在血液系统疾病中的运用
齐凌, 李菲

读者 · 作者 · 编者

- 扉 1 《中国实验血液学杂志》第八届编辑委员会

IV

- 扉 1 《中国实验血液学杂志》全文和摘要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
- 扉 2 《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
- 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

[期刊基本参数] CN11 - 4423/R * 1993 * b * 16 * 310 * zh * p * ¥40 * 2000 * 51 * 2019 - 02

JOURNAL OF EXPERIMENTAL HEMATOLOGY

(Established in April, 1993)

Bimonthly Volume 27 Number 1

February, 2019

Contents

ORIGINAL ARTICLES

Leukemia Basis and Clinic

- 1 **Expression of Ikaros and *FUT4* in Children's Acute Lymphoblastic Leukemia and Their Relationship**
 Yi Li-Jun, Li Hong, Guo Zhi-Bing, Liu Zhi-Qiang, Zhou Jing, Wu Chong-Jun, Zeng Xiao-Ping

Antileukemia Basis and Clinic

- 7 **Mechanism of Paris Forresterii (Takht.) H. Li-Suppressing the Proliferation of Acute Myeloid Leukemia Cell Lines**
 Lu Qin, Zheng Yun-Jing, Hu Yi-Xin, Wang Yue-Hu, Mao Xin-Liang, Hu Shao-Yan
- 14 **Detection Rate of Central Nervous System Leukemia Can Be Improved by Cell Preservation Solution**
 Mai Qiu-Sui, He Jun-Xian, Qin Jie-Li, Lin Rong, Huang Yi-Ke, Liu Song-Jian, Zheng Shao-Yan, Huang Qian, Yang Mo, Jiang Qian-Li
- 20 **Expression of Transcription Factor SOX4 in Acute Myeloid Leukemia and Its Clinical Significance**
 Zhao Jia-Lin, Zhang Zheng-Hao, Zhang Rui, Yuan Hai-Long, Chen Gang, Zhang Juan, Muhashi Ma-Li-Ya, Qu Jian-Hua
- 25 **Effects of Tyrosine Kinase Inhibitors on the Th1 and Treg Cells of CML Patients**
 Dai Jing-Ying, Yang Xi, Wei Qing, Li Hui, Huang Xiao-Bing, Wang Xiao-Dong
- 33 **Clinical Analysis of 24 Acute myeloid Leukemia Patients Aged over 80 Years**
 Meng Guang-Qiang, Chen Yi-Juan, Guo Hui-Xia, Wang Min, Wu Yue, Li Xing, Shang Yu-Xi, Li Qian, Wang Li-Ru
- 39 **Application Value of Combined Detection of Urinary Amino Acid Metabolite and Tumor Specific Growth Factor in Evaluation of Curative Efficacy for Acute Leukemia**
 Yao Li-Teng, Ye Xiu-Juan, Chu Wen-Guang
- 45 **Expression and Clinical Significance of STAT3 Genes in Patients with Acute Myeloid Leukemia**
 Huang Cheng-Shuang, Tan Mei, Zhang Xiang-Mei, Luo Xi, Tian Run-Mei, Su Qiong, Wu Liu-Song, Chen Yan

Lymphoma Basis and Clinic

- 52 **Comparison of Different Staging Systems and Prognostic Analysis in 68 Cases of Primary Intestinal Diffuse Large B Cell Lymphoma**
 Wang Xi, Wang Chao-Yu, Xu Wen, Yang Hong-Liang, Zhao Hai-Feng, Wang Xiao-Fang, Wang Ya-Fei, Yu Yong, Zhang Yi-Zhuo
- 61 **Survival Analysis of 148 Patients with Primary Diffuse Large B Cell Lymphoma**
 Xu Ya-Ru, Liu Li, Ren Xiu-Hong, Liu Ping-Ping, Zhang Hao, Zheng Li, Zhang Song-Song, Zhou Li-Qiang, Guo Zhen-Xing
- 67 **Clinical Significance of TF and VEGF Expressions on Peripheral CD14 Positive Monocytes in Patients with Diffuse Large B Cell Lymphoma**
 Jiang Ya-Jun, Zhu Cui-Hua, He Yao, Chai Xing-Xing, Yang Xiao-Yun, Meng Fan-Jing, Zhuang Wan-Chuan
- 74 **Prognostic Value of Interim PET/CT in 227 Patients of DLBCL**
 Wang Rui-Min, Li Fei, Liu Chang-Bin, Guan Zhi-Wei, Fu Li-Ping, Xu Bai-Xuan, Zhu Hai-Yan
- 80 **Clinical Significance of Detecting the Erythrocyte Life Expectancy in Patients with Malignant Lymphoma Complicated with Anemia**
 Pei Qiang, Shen Hao-Rui, Zhang Wei, Zhou Dao-Bin
- 86 **Clinicopathological Observation of Primary Renal Non-Hodgkin's Lymphoma—A Report of Two Cases**
 Sun Yang-Yang, Zhou Xiao-Li, Gao Wei, Cheng Yu-Qing

- 91 **Correlation of EBV Infection with Expression of TNF- α -Inducing Protein 3 Gene and A20 Protein in Hodgkin's Lymphoma**
XU Yu-Xiu, MA Dong-Sheng, WANG Meng, YANG Jing

Basis and Clinic of Multiple Myeloma

- 96 **Life Quality and Its Related Factors of Patients with Multiple Myeloma during Maintenance Therapy**
XU Yan-Jie, XU Wen, CHEN Jing, TIAN Chen, YANG Hong-Liang, ZHAO Hai-Feng, WANG Xiao-Fang, WANG Ya-Fei, YU Yong, ZHANG Yi-Zhuo
- 104 **Clinical Analysis of Serum Calcium Level in 86 Cases of Newly Diagnosed Multiple Myeloma**
ZHANG Jin, YANG Jie, WANG Pan-Pan, ZHANG Peng-Peng, YUAN Mao-Wen, MA Zhuan-Zhen, ZHOU Qi, WEI Tong, MAO Xia-Li, LI Ming, ZHAO Long, ZHANG Hao, XI Ya-Ming
- 110 **Clinical Application of R-ISS Staging System in 412 Newly Diagnosed Patients with Multiple Myeloma**
CHEN Hai-Min, WEI Wei, PENG Rong, SHI Hao-Tian, CHEN Xiao-Ling, WU Li-Xia, ZHOU Nian, ZHOU Fan
- 115 **Prognostic Value of Red Blood Cell Distribution Width in Senile Patients with Non-transplanted Multiple Myeloma**
SUN Chao, YE Jian-Nan, WANG Huan, ZHU Jian-Wei, ZHOU Xin, LI Jian-Yong
- 123 **Expression and Clinical Significance of C/EBP α Gene in Elderly Multiple Myeloma**
ZANG Yu-Zhu, CHEN Xiang-Li, BAI Yan-Liang, ZHANG Wen-Hui, YU Run-Hong
- 129 **Change of Autophagic Activity of U266 Cells after Bortezomib Resistance and Its Mechanisms**
ZHANG Cheng, WAN Ding-Ming, CAO Wei-Jie, ZHANG Yang, DANG Hui-Bing, WEI Yu-Jing

Myelodysplastic Syndrome

- 134 **Expression and Function of miR-99a-5p in Bone Marrow of Patients with MDS**
LE Ying, ZHANG Xu-Pai, XIONG Yan-Qiu, LI Hong-Ying, ZHAO Wei-Hua, LONG Yuan, LUO Jun, CHENG Peng, LIU Zhen-Fang
- 141 **Application of Two-parameter Scoring System Based on CD105 and CD117 in MDS Diagnosis**
ZHENG Chen, WANG Ya-Zhe, YUAN Xiao-Ying, CHANG Yan, SHI Hong-Xia, LAI Yue-Yun, HUANG Xiao-Jun, LIU Yan-Rong
- 149 **Consistency Analysis of Gene Mutation Sites of Bone Marrow Tumor DNA and Circulating Tumor DNA in Patients with Myelodysplastic Syndrome**
ZHAO Pan, ZHU Qian-Ze, FAN Ten, LIU Wei-yi, XIAO Hao-yan, QIN Jia-yue, HUANG Gang, HU Xiao-mei
- 159 **Clinical Analysis of 208 Patients with BCR/ABL Negative Myeloproliferative Neoplasms**
SHEN Qing-Hui, GUO Yu-Jie, XUE Chun-E, WANG Yan, LIN Feng-Ru

Anemia, Platelet and Thrombocyte Disease

- 165 **Values of Hematological Indicators in the Screening of α -Thalassemia in Fujian Area of China**
XIE Yu-Ping, CAO Ying-Ping, ZHU Xian-Jin, LIU Hong-Jin, LIU Jin, ZHOU Wen-Juan, LU Ping-Xia
- 170 **Prevalence and Genetic Analysis of β -Thalassemia in Neonates in Wuhan Area of China**
XIONG Qian, HU Xi-Jiang, DAI Xiang, ZHOU Bin, CAI Wen-Qian
- 175 **Level of Regulatory B Cells in Patients with Immune Thrombocytopenia and Its Clinical Significance**
ZHU Shi-Rong, CHEN Hai-Yan, WANG Ming-Jing, XU Yong-Gang, QUAN Ri-Cheng, DING Xiao-Qing, ZHAO Pan, WANG Hong-Zhi, GUO Xiao-Qing, HU Xiao-Mei
- 180 **Role of Th9, Th17, Treg Cells Levels and IL-9, IL-17 and TGF- β Expression in Peripheral Blood of Patients with ITP in Pathogenesis of ITP**
ZHOU Zheng-Ju, ZHANG Yi-Shan, LIANG Cai-Xia, YANG Zhang-Yuan
- 185 **Clinical Analysis of Joint Health Status of Patients with Hemophilia Treated on-Demand**
MA Le, FAN Meng, XUE Feng, JIANG Wen-Xue
- 192 **Analysis of Screening Results in 501 Newborns with Hemolytic Disease**
YANG Xuan, CHEN Fu-Zhen, HONG Qiang
- 197 **Correlation of IgG Subclass with Blood Cell Parameters in Patients with Autoimmune Hemolytic Anemia**
LI Ting-Xiao, SUN Fu-Ting, JI Bao-Jun

- 202 **Etiological Analysis of 133 Patients with Elderly Macrocytic Anemia and Diagnostic Significance of Laboratory Tests**
ZHOU Dong, MU Li-Jun, ZHANG Qi, HUANG Dan, CHEN Xue - Yu
- 208 **Establishment of Flow Cytometric Immunobead Array for Detecting Plasma Von Willebrand Factor Activity and Its Clinical Application in the Prognosis of Ischemic Stroke**
YAN Bin, HE Yang, LU Shi-Qi, XU Meng-Qiao, WANG Qi, ZHAO Yi-Ming, RUAN Chang-Geng

Cell Biology

- 215 **Isolation, Culture and Biological Characteristics of Endothelial Progenitor Cells from Cryopreserved Umbilical Cord Blood**
FU Ya-Ru, SUN Yang-Yang, WANG Hong-Xing, LIU Xiao-Dun, QU Ting-Yu
- 221 **Regulatory Effect of Exosomes Derived from Human Umbilical Cord Mesenchymal Stem Cells on Treg and TH17 Cells**
GUO Li-Yan, LAI Pei-Long, GENG Su-Xia, CHEN Xiao-Mei, WANG Yu-Lian, HUANG Tian, DU Xin, WENG Jian-Yu
- 227 **Effect of Amino Acid Motifs in Integrin $\beta 3$ Cytoplasmic Tail on $\alpha II b\beta 3$ -Mediated Cell function in 293T cell models**
LI Dong-Ya, MAO Jian-Hua, ZHANG Wei, CHEN Xin-Jie, XIAO Bing, RUAN Zheng, WANG Yun, JIANG Guo-Xiong, SHI Xiao-Feng, XI Xiao-Dong

Biology of Hematopoietic Stem Cells

- 233 **Effect of Chemotherapeutic Drug-Induced Damage of Bone Marrow Stroma Cells on Normal Hematopoietic Cells**
LI Yi-Hui, LIU Zhe, LI Huan, XU Ying-Xi, XING Hai-Yan, TANG Ke-Jing, TIAN Zheng, WANG Min, RAO Qing

Hematopoietic Stem Cell Transplantation

- 239 **Relationship Between the Change of Microbial Diversity and Gastrointestinal Graft-Versus-Host Disease Following Allogeneic Hematopoietic Stem Cell Transplantation**
CHEN Xiao-Yu, WANG Shun-Qing

Immunologic Hematology

- 246 **Analysis of Correlation of WAS Gene Mutations with Clinical Phenotype**
ZHENG Yun-Jing, LU Qin, YAO Yan-Hua, HE Hai-Long, LI Jian-Qin, XIAO Pei-Fang, HU Shao-Yan

Transfusion Medicine

- 253 **Evaluation of the Cutoff of Anti-HCV Antibody Enzyme-Linked Immunosorbent Assay in 7 Blood Station Laboratories**
LIU Zheng-Min, WANG Rui, HUNG Li-Qin, HU Jing-Hui, CHANG Le, ZHEN Wei, WANG Peng, WANG Fang, WEI Chao, ZHU Shao-Wen, ZENG Jin-Feng, SHI Yan-Hua, ZHENG Wei, WANG Lu-Nan, GE Hong-Wei
- 260 **Performance Evaluation of the CLIA and ECLIA for Anti-TP Screening in Blood Donors**
CHEN Jian-Feng, LI Wen-Chao, CHANG Le, CAO Dan, TANG Jian-Hua, XIAO Chen, ZHANG Chuan-Xing
- 266 **Size Estimation of HLA - I class Typed Platelet Apheresis Donor Bank**
XUE Min, PAN Pin-Pin, FAN Su, WANG Xiao-Yan, LIU Tai-Xiang, ZHAO Fang, SHI Li-Li, MA Ling, SHENG Jie

Technology of Clinical Hematology

- 272 **Risk Analysis of Catheter-related Bloodstream Infection and Thrombosis in Patients with Blood Diseases Undergoing Peripheral Introvascular Central Catheter (PICC)**
FAN Bin, HUANG Fen, ZHANG Yu-Hong, MEI Gan-Hong

REVIEWS

- 277 **Emerging role of Mitochondria in Maintenance of Hematopoietic Stem Cells——Review**
LIU Zi-Xian, DONG Fang, ZHANG Sen, HAN Ming-Zhe, EMA Hideo

- 283 **Research Advances of Preventive and Therapeutic Effect of Mesenchymal Stromal Cells on Graft-Versus-Host Disease ——Review**
WANG Li, MA De-Xun, LIU Shu-Feng, GAO Chun-Ji
- 288 **Research Advances on Role of Extracellular Vesicles in the Bone Marrow Microenvironment of Patients with Hematological Malignancies——Review**
FEI Cheng-Ming, CHANG Chun-Kang
- 292 **Research Advances of Monocyte/Macrophage in Chronic Lymphocytic Leukemia——Review**
MA Xiao-Wen, YANG Lin-Hua
- 297 **Research Progress of C-Myc in Chronic Myelogenous Leukemia ——Review**
TANG Hui-Min, LI Yu-Feng
- 301 **Recent Progress of Molecular Genetic Characteristics and Prognosis of Non-Hodgkin's Lymphoma——Review**
WANG Zhen-Hua, XU Ming, GU Xiao-Lin, XU Zhi, YU Fei-Yan
- 306 **Current Advances in the Fecal Microbiota Transplantation and Its Application in the Hematologic Diseases ——Review**
QI Ling, LI Fei

本广告仅供医学药学专业人士阅读!

国药准字H20170010 (5mg)
国药准字H20170011 (10mg)
国药准字H20170009 (25mg)



立生[®]
Lenalidomide Capsule
5mg 10mg 25mg

来那度胺胶囊

国家新药，发明专利

【发明名称：3-（取代二氢异吲哚酮-2-基）-2,6-哌啶二酮的合成方法及中间体】

【专利号：ZL 2011 1 0005625.3】

适用于

▪ 本品与地塞米松合用，治疗曾接受过至少一种疗法的多发性骨髓瘤的成年患者

禁忌：

- 孕妇。
- 未达到所有避孕要求的可能怀孕的女性。
- 对本品活性成分或其中任何辅料过敏者。

最常见的不良反应：疲乏，中性粒细胞减少，便秘，腹泻，肌肉痉挛，贫血，血小板减少和皮疹。



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

股票代码：002038

京药广审（文）第2018090466

厂址：北京市昌平区科技园区利祥路2号

邮编：102200 传真：010-60730863

电话：010-60730801

营销总部：北京市海淀区阜石路69号碧桐园1号楼

邮编：100143 传真：010-88795883

电话：010-88627765 010-88799370