

China Medical Device

INFORMATION

中国医疗器械信息

ISSN1006-6586

CN11-3700/R

1

(上半月刊)

2020年 第26卷 第1期

中国医疗器械信息

SHINVA

心系健康 诚信天下

在医疗器械板块，已形成九大配置精良、技术完备的先进产品线，涵盖感染控制、放射治疗及影像、手术器械及骨科、手术室设备及工程、口腔设备及耗材、体外诊断试剂及仪器、生物材料及耗材、透析设备及耗材、医用环保及其他领域。每一天，都在为健康事业，付诸着百分百的努力！

FOR HEALTH BE CREDIBLE

1942年组建，1943年成立
专业致力于健康产业的系统集成
产品的研发、生产、销售及医疗服务领域
2002年在上交所上市(股票代码：600587)
中国医疗器械行业协会会长单位
国家认定企业技术中心

制药装备
PHARMA
CEUTICAL
MACHINERY

医疗器械及装备
MEDICALDEVICES &
EQUIPMENT

医疗服务
MEDICAL
SERVICE

医疗商贸
MEDICAL TRADE

**SHINVA
MEDICAL
INSTRUMENT
CO., LTD.**

FOUNDED
IN 1943

www.shinva.net

SHINVA 新华医疗

山东新华医疗器械股份有限公司

地址：山东省淄博市高新区泰美路7号新华医疗科技园 邮编：255086 电话：0533-3583393 传真：0533-3583253
E-mail: scb@shinva.com Web: www.shinva.net



ISSN 1006-6586



9 771006 658007

二零二零年 第二十六卷 第一期

◎ 审评与监管

- 1 美国FDA突破性器械项目政策介绍及对我国的启示 仇琪 姜雨萌 李耀华
- 4 医疗器械审评核查知识管理体系建设探讨 刘群
- 6 关于医疗器械软件上市后监管机制探讨 刘永章
- 8 肢体运动康复训练设备技术审评探讨 夏文龙 张一 李国勇

◎ 医疗器械技术进展

- 10 国产冠状动脉支架历史发展和技术进展 商惠 温焯源

◎ 标准与检测

- 14 医用电气设备传导抗扰度试验及案例分析 温宇标 黄勇 刘海 伍倚明
- 17 大尺寸医疗器械传导抗扰度测量不确定度评定 黄勇 温宇标 伍倚明 刘海
- 19 浅谈GB 9706.1-2007中输入功率试验的注意事项 陈艺文
- 22 使用EXCEL制作浪涌试验用时计算器 魏景锋 赵佳洋 赵旭

◎ 研究报告

- 24 兔血浆应用于部分凝血活酶时间(PTT)试验以评价医疗器械促凝活性的研究 杨文润 莫晓彦 颜林 田胜慧 曹德兰 杨立峰
- 27 DEHCH与DINCH环保增塑剂增塑性能对比 李菲 高凤朝 李利娜 蒋飞远 王国锋 丁雪佳
- 29 内窥镜手术器械力传递系数测试装置设计 张沁园 颜青来 钱文文 骆永洁
- 31 医疗教学实验解剖台的设计及应用 余柳霏 黄强
- 34 临床使用真空采血管产品不良事件的风险研究 宣建桥 尹建兵 张淑霞 张兰
- 36 鼻咽癌放疗计划制作中Monaco计划系统函数使用 张勇 李锐杰

◎ 综述

- 38 通过3D-TOF-MRA分析Willis环形态改变与颅内动脉瘤的研究进展 刘子航 李世星 王月 朱敏
- 40 原发性三叉神经痛的MRI研究进展 安睿
- 41 超声造影应用于肝脏占位性病变的价值研究进展 杨学莲
- 43 医学影像后处理技术的研究及其在X射线影像优化中的应用进展 袁莹
- 44 用于治疗抑郁症的医疗器械的现状和前景 陈明 秦青 李挥 马宁
- 46 生物材料血液相容性体外评价的研究进展 韩清臣
- 48 免疫分析仪分析临床免疫检验质量控制的重要性的方法 孙文涛
- 51 针灸治疗膝骨性关节炎实验研究进展 姜春元

◎ 临床应用

- 53 磁共振弥散加权成像在一氧化碳中毒迟发性脑病诊断中的应用研究 刘婷婷 袁丽萍 李超 吕仁锋
- 55 TCD和颈部血管超声检查对脑梗死患者血管病变检出率的诊断价值 霍婧
- 57 肝脏镰状韧带旁假性病灶MSCT影像表现 李旭 王畅畅 王利
- 59 螺旋CT和MR联合检测在女性盆腔囊性病变诊断中的应用价值研究 布仁
- 61 CT检查在腹部急症炎性病变诊断中的应用价值 张光
- 63 CT影像诊断急性胰腺炎的临床价值评估 曹伟

中国学术期刊综合评价数据库(CAJCED)统计源期刊
中国期刊全文数据库(CJFD)全文收录期刊
中国核心期刊(遴选)数据库收录期刊
中文科技期刊数据库收录期刊
中文生物医学期刊数据库(CMCC)收录期刊

主管单位: 国家药品监督管理局
主办单位: 中国医疗器械行业协会

编辑委员会(名单以音序排列, 不分先后):

蔡国方	曹厚德	程述森	段会龙	樊瑜波
范晓东	范志宁	方全	冯麟增	高润霖
高上凯	龚启勇	龚士明	顾汉卿	顾力棚
何雨生	胡逸民	姜峰	姜玉新	江朝光
焦海川	刘道志	刘志成	陆祖宏	牛凤岐
彭承琳	任彭业	陶祖莱	王威琪	吴祈耀
吴新民	奚廷斐	谢松城	徐波	徐庐生
徐研倍	许伟	杨国忠	姚志修	俞梦孙
俞森洋	鄢盛恺	周丹	张元亭	庄天戈

社长兼总编辑: 范晓东
副主编: 鲁超 陈太博 张福勇
副社长: 李浩东

编辑部主任: 赵姝娜
编辑: 贾彩芳 刘颖 吕聪
美术编辑: 刘文庆
第一编辑室:
电话: 86-10-65499312
投稿: tougao@camdi.org
第二编辑室:
电话: 86-10-88956588
投稿: ylxzz@126.com

媒体部主任: 段鹏飞
副主任及发行: 宋高峰
客服: 陈晓晖
电话: 86-10-85659328
订阅: songgf@camdi.org

- 65 腹部X射线联合CT扫描在急性肠梗阻临床诊断中应用分析 图爽 吕仁锋 庄美俊
- 67 腰间盘突出症CT影像与临床症状严重程度的关系研究 宋鹤
- 69 心脏彩超与心电图对高血压性心脏病患者的诊断有效率分析 程晓光
- 70 超声心动图与心电图联合诊断对心肌梗死诊断效果评价 李丽
- 72 心电图诊断技术在非ST段抬高型心肌梗死的临床应用 张蕾
- 74 体表心电图应用于定位诊断急性下壁心肌梗死中的价值分析 张杨 侯雨 关群 周晓冬
- 76 急性心肌梗死合并心律失常应用心电监护仪的效果观察 王晓艳
- 78 采用超声多普勒及全自动生化分析仪研究老年糖尿病患者血糖水平与颈动脉斑块的相关性 边艳菊
- 80 经腹部超声与经阴道彩色多普勒超声用于早期宫外孕诊断的临床价值分析 成硕
- 82 超声对宫颈检测在早孕中的应用价值 杨丽妹
- 84 纤维支气管镜吸痰联合肺泡灌洗在重症肺部感染患者治疗中的效果观察 韩殿龙 范晓明
- 86 功能性鼻内窥镜手术治疗鼻窦炎的应用及临床预后分析 李蕊
- 89 内镜黏膜下剥离术(ESD)治疗消化道肿瘤的疗效和安全性评估 隋晓艳
- 91 单通道经皮肾镜联合输尿管软镜治疗复杂性肾结石疗效观察 陈海涛
- 93 腹腔镜辅助阴式全子宫切除与开腹全子宫切除的临床对比 赵琪
- 95 宫腔镜下电切术与刮宫术治疗子宫内膜息肉不孕症患者的疗效对比 吴丹
- 97 宫腔镜手术治疗子宫内息肉的效果 赵丽萍
- 99 探究超声造影在肝癌介入治疗中的应用价值 宋立文
- 101 一日病房神经刺激器与超声引导下双侧腋路臂丛神经阻滞临床观察 李莲娜 苗慧 岳文江 赵艳晶 郭玲 于浩
- 103 超滑涂层气管导管用于全麻下非困难气道气管插管的临床效果 赵静霞 高秀梅 田鸣
- 106 无创呼吸机辅助通气对重症哮喘患者的临床效果观察 史玉平
- 108 交锁髓内钉与钢板内固定治疗股骨骨折的对比分析 张林
- 110 股骨近端抗旋髓内钉内固定治疗股骨转子下骨折的方法及疗效观察 江顺军
- 112 四肢创面修复应用皮肤牵张闭合器的可行性研究 王明
- 115 根管预备器械及充填物对前磨牙牙体抗折强度的影响 毕钰
- 116 不同根管充填程度对牙体牙髓患者治疗的作用探讨 付宾
- 118 MTA应用于显微根管手术治疗慢性根尖周炎的效果观察 史春
- 120 iRoot BP Plus和MTA用于年轻恒牙直接盖髓临床效果评价 张成仁 王琪波
- 121 背心式高频振动排痰与机械振动排痰对神经外科ICU老年脑出血肺部感染患者的对比研究 潘怡
- 124 单腔起搏器联合美托洛尔缓释片治疗急性血管迷走性晕厥的效果观察 姜楠
- 126 射频消融治疗持续性心房颤动的长期疗效对比分析 伏继伟
- 128 白内障超声乳化人工晶体植入联合房角分离术治疗闭角型青光联合白内障的临床效果 徐威
- 131 改良小儿外耳道冲洗器在小儿耳聋患者中的效果观察 张利
- 133 神经外科危重患者留置鼻空肠管进行早期肠内的治疗体会 张婷婷
- 135 低位产钳助产术对女性盆底功能的影响 李静媛
- 138 脐带处理器与传统断脐结扎法的临床应用效果比较 肖裕红 吴红卫 刘春风 杨恒
- 141 不同部位行静脉PICC置管的临床比较 赵杰
- 143 自动空心针穿刺活检技术在颌面部肿块诊断的应用 岳柏
- 144 甲状腺结节细针穿刺检查226例临床病理分析 范晓明 李平
- 146 PCR仪与测序仪应用于丙型肝炎病毒基因型检测的临床效果观察 宋树森 李强 谷海峰 王岩
- 148 尿液分析仪对比尿沉渣镜检法检测尿红、白细胞的分析与探讨 李飞

设备管理

- 150 基于经济效益预测的医疗设备可行性论证模式探讨 李慧丽 张群成 郭鸣周
- 153 基于大数据分析建立完善的设备采购监管体系研究 王丽 李俊忠 左诗琪
- 156 医院医疗器械采购管理问题应对措施 毕占岁
- 158 浅谈医疗设备维修配件的分类采购供应管理 李叶
- 160 综合医院医疗设备质量管理的关键路径探讨 褚永华
- 163 基于ERP的医疗设备维修管理系统的实际应用研究 陈家琦
- 166 医疗器械安全(不良)事件管理中PDCA的应用研究 王智
- 168 某专科医院体外诊断试剂管理流程再造与评价 朱宏敏 黄国英 陶麒麟 耿静 徐锦 朱雅卿 张晓波
- 171 基于SPD的检验试剂二级库管理系统设计探讨 金婷 郭必纳
- 173 浅谈流动采血车仪器设备的质量管理对血液的影响 吕晓萌
- 175 放射医疗设备管理存在的问题与维修建议 邓良洲 胡亚恒 程致远 魏文存 邹林
- 178 飞利浦iU22彩超诊断系统故障维修两例 杨朔
- 180 日立7180生化仪维护与保养 廖欢

出版:《中国医疗器械信息》杂志社
出版日期:2020年1月15日

印刷:天津市永盈印刷有限公司
发行:北京市邮局
全国统一刊号:CN11-3700/R
邮发代号:82-256
广告经营许可证:京朝工商广登字20170238号
广告代理:华医康健文化传媒(北京)有限公司

《中国医疗器械信息》杂志社
地址:北京市朝阳区东三环中路39号
建外SOHO18号楼1101室
邮编:100022
传真:86-10-59000038
网址:www.cmdin.cn

期刊基本参数:
CN11-3700/R*1995*s*16*192*zh*p*18.00*50000*24*2020-01



官方微信公众平台

本刊文章内容及观点并不代表本刊立场;本刊所有广告内容及产品资料均由客户提供,并由其承担宣传内容的真实性。所有作者文图作品须保证原创且为首次发表,如出现版权问题,由作者负全责,与本刊无关。

本刊所有内容的纸质及网络版权均均由中国医疗器械信息©所有,未经本社书面同意不得转载。

Evaluation and Supervision

- 1 The Policy Introduction of FDA's Breakthrough Device Program and Its Enlightenment to China ZHANG Qi JIANG Yu-meng LI Yao-hua
4 Study on the Construction of Knowledge Management for Medical Device Technical Evaluation and Field Inspection LIU Qun
6 Discussion on the Post-Market Surveillance of Medical Device Software LIU Yong-zhang
8 The Discussion for Technical Evaluation of Physical Rehabilitation Training Equipment XIA Wen-long ZHANG Yi LI Guo-yong

Progress in Medical Device Technology

- 10 Historical Development and Technological Progress of Domestic Coronary Stent SHANG Hui WEN Tao-yuan

Standard and Testing

- 14 Test and Case Analysis of Conducted Immunity of Medical Electrical Equipment WEN Yu-biao HUANG Yong LIU Hai WU Yi-ming
17 Evaluation of Uncertainty in Measurement of Conducted Immunity of Large-sized Medical Devices HUANG Yong WEN Yu-biao WU Yi-ming LIU Hai
19 Talking about the Precautions of Input Power Test of GB 9706.1-2007 CHEN Yi-wen
22 Making a Time-Consuming Calculator of the Surge Test by EXCEL WEI Jing-feng ZHAO Jin-yang ZHAO Xu

Research Report

- 24 Study on Rabbit Plasma Applied to Partial Thromboplastin Time (PTT) Test to Evaluate the Procoagulant Activity of Medical Devices YANG Wen-run MO Xiao-yun YAN Lin TIAN Sheng-hui CAO Sui-lan YANG Li-feng
27 Comparison of Plasticizing Performance Between DEHCH and DINCH Environmental Plasticizers LI Fei GAO Feng-chao LI Li-na JIANG Fei-yuan WANG Guo-feng DING Xue-jia
29 Design of Force Transfer Coefficient Testing Device for Endoscopic Surgery Instruments ZHANG Qin-yuan YAN Qing-lai QIAN Wen-wen LIU Yong-jie
31 Design and Application of Dissection Table in Medical Teaching and Experiment YU Liu-fei HUANG Qiang
34 Study on the Risk of Adverse Events in Clinical Use of Vacuum Blood Collection Products XUAN Jian-qiao YIN Jian-bing ZHANG Shu-xia ZHANG Lan
36 The Monaco Planning System is Commonly Used in Radiotherapy Planning of Nasopharyngeal Carcinoma ZHANG Yong LI Rui-jie

Review

- 38 Progress in the Study of Morphological Changes of Willis Ring and Intracranial Aneurysms by 3D-TOF-MRA LIU Zi-hang LI Shi-xing WANG Yue ZHU Min
40 Research Progress of MRI in Primary Trigeminal Neuralgia AN Rui
41 Progress in the Value of Contrast-enhanced Ultrasound in the Diagnosis of Hepatic Space-occupying Lesions YANG Xue-lian
43 Research on Medical Image Post-Processing Technology and Its Application in X-ray Image Optimization YUAN Ying
44 Current Status and Prospects of Medical Devices for the Treatment of Depression CHEN Ming QIN Qing LI Hui MA Ning
46 The Research Progress of Biomaterial Blood Compatibility Evaluation in Vitro HAN Qing-chen
48 The Importance and Method of Analyzing the Quality Control of Clinical Immunoassay SUN Wen-tao
51 Experimental Research Progress of Acupuncture for Knee Osteoarthritis JIANG Chun-yuan

Clinical Application

- 53 Application of Magnetic Resonance Diffusion Weighted Imaging in the Diagnosis of Delayed Encephalopathy Caused by Carbon Monoxide Poisoning LIU Ting-ting YUAN Li-ping LI Chao LV Ren-feng
55 Diagnostic Value of TCD and Cervical Vascular Ultrasonography in Detecting the Rate of Vascular Lesions in Patients with Cerebral Infarction HUO Jing
57 MSCT Imaging Features of Liver Sickle Ligament Pseudo Lesions LI Xu WANG Chang-chang WANG Li
59 Study on the Value of Spiral CT and MR Combined Detection in the Diagnosis of Female Pelvic Cystic Lesions Cloth Benevolence BU Ren
61 Application Value of CT Examination in Diagnosis of Abdominal Acute Inflammatory Lesions ZHANG Guang
63 Clinical Value of CT Imaging in the Diagnosis of Acute Pancreatitis CAO Wei
65 Application of Abdominal X-ray Combined with CT Scan in Clinical Diagnosis of Acute Intestinal Obstruction TU Shuang LV Ren-feng ZHUANG Mei-jun
67 Relationship Between CT Images of Lumbar Disc Herniation and Severity of Clinical Symptoms SONG He
69 Analysis of the Diagnostic Efficiency of Cardiac Color Doppler Ultrasound and Electrocardiogram in Patients with Hypertension

Responsible Institution:

National Medical Products Administration

Sponsored by:

China Association for Medical Devices Industry

Editorial Committee:

CAI Guo-fang, CAO Hou-de, CHENG Shu-sen, DUAN Hui-long, FAN Yu-bo, FAN Xiao-dong, FAN Zhi-ning, FANG Quan, FENG Lin-zeng, GAO Run-lin, GAO Shang-kai, GONG Qi-yong, GONG Shi-ming, GU Han-qing, GU Li-xu, HE Yu-sheng, HU Yi-min, JIANG Feng, JIANG Yu-xin, JIANG Chao-guang, JIAO Hai-chuan, LIU Dao-zhi, LIU Zhi-cheng, LU Zu-hong, NIU Feng-qi, PENG Cheng-lin, REN Peng-ye, TAO Zu-lai, WANG Wei-qi, WU Qi-yao, WU Xin-min, XI Ting-fei, XIE Song-cheng, XU Bo, XU Lu-sheng, XU Yan-ruo, XU Wei, YANG Guo-zhong, YAO Zhi-xiu, YU Meng-sun, YU Sen-yang, YAN Sheng-kai, ZHOU Dan, ZHANG Yuan-ting, ZHUANG Tian-ge

President and Editor in Chief: FAN Xiao-dong

Associate Editor:

LU Chao, CHEN Tai-bo, ZHANG Fu-yong

Vice President: LI Hao-dong

Director of Editing Department: ZHAO Shu-na

Editor: JIA Cai-fang, LIU Ying, LV Cong

Art Editor: LIU Wen-qing

First Editing Room:

Tel: 86-10-65499312

Contribute: tougao@camdi.org

Second Editing Room:

Tel: 86-10-88956588

Contribute: ylxqxxxz@126.com

Director of Media Department: DUAN Peng-fei

Deputy Director of Media Department:

SONG Gao-feng

Customer Service & Circulation:

CHEN Xiao-hui

Tel: 86-10-85659328

Subscribe: songgf@camdi.org

- Heart Disease CHENG Xiao-guang
- 70 Evaluation of the Diagnosis of Myocardial Infarction by Combined Echocardiography and Electrocardiogram LI Li
- 72 Clinical Application of Electrocardiogram Diagnosis Technology in Non-ST Segment Elevation Myocardial Infarction ZHANG Lei
- 74 The Value of Body Surface Electrocardiogram in the Diagnosis of Acute Inferior Myocardial Infarction ZHANG Yang HOU Yu GUAN Qun ZHOU Xiao-dong
- 76 Observation on the Effect of Electrocardiograph on Acute Myocardial Infarction with Arrhythmia WANG Xiao-yan
- 78 Correlation between Blood Glucose Level and Carotid Plaque in Elderly Patients with Diabetes Mellitus Using Ultrasound Doppler and Automatic Biochemical Analyzer BIAN Yun-ju
- 80 Clinical Value of Transabdominal Ultrasound and Transvaginal Color Doppler Sonography in Diagnosis of Early Ectopic Pregnancy CHENG Shuo
- 82 The Value of Ultrasound for Detecting Cervical in Preterm Birth YANG Li-zhu
- 84 Effect of Fiberoptic Bronchoscopy Combined with Alveolar Lavage in the Treatment of Patients with Severe Pulmonary Infection HAN Dian-long FAN Xiao-ming
- 86 Application and Clinical Prognosis Analysis of Functional Endoscopic Sinus Surgery for Sinusitis LI Rui
- 89 Efficacy and Safety of Endoscopic Submucosal Dissection (ESD) in the Treatment of Digestive Tract Tumors SUI Xiao-yan
- 91 Clinical Observation of Single-channel Percutaneous Nephrolithotomy Combined with Flexible Ureteroscope in the Treatment of Complicated Renal Calculi CHEN Hai-tao
- 93 Clinical Comparison of Laparoscopic Assisted Vaginal Hysterectomy and Open Hysterectomy ZHAO Qi
- 95 Comparison of Curative Effect of Hysteroscopic Resection and Curettage on Patients with Endometrial Polyp Infertility WU Dun
- 97 Effect of Hysteroscopic Surgery on Endometrial Polyps ZHAO Li-ping
- 99 Exploring the Value of Contrast-enhanced Ultrasound in the Interventional Treatment of Liver Cancer SONG Li-wen
- 101 One Day Neurostimulator and Ultrasound Guided Bilateral Axillary Approach in Ward LI Lian-di MIAO Hui YUE Wen-jiang ZHAO Yan-jing GUO Ling YU Guang-hao
- 103 The Clinical Effect of Ultra Smooth Endotracheal Tube in Non-difficult Airway Endotracheal Intubation Under General Anesthesia ZHAO Jing-xia GAO Xiu-mei TIAN Ming
- 106 Clinical Observation of Non-invasive Ventilator Assisted Ventilation in Patients with Severe Asthma SHI Yu-ping
- 108 Comparative Analysis of Interlocking Intramedullary Nail and Plate Fixation for Femoral Fracture ZHANG Lin
- 110 Treatment of Subtrochanteric Fractures of the Femur with Proximal Femoral Nail Fixation and Its Therapeutic Effect JIANG Shun-jun
- 112 Feasibility Study of Extremity Wound Repair with Skin Distractor WANG Ming
- 115 The Effect of Root canal Preparation Equipment and Fillings on the Fracture Strength of Premolars BI Yu
- 116 The Effect of Different Root Canal Filling Degree on the Treatment of Dental Pulp Patients FU Bin
- 118 Effect of MTA Applied to Microscopic Apical Surgery for Chronic Apical Periodontitis SHI Chun
- 120 Clinical Evaluation of iRoot BP Plus and MTA for Direct Fixation of Young Permanent Teeth ZHANG Cheng-ren WANG Qi-bo
- 121 Comparative Study of Vest-type High Frequency Vibration Sputum Drainage and Mechanical Vibration Drainage on Patients with Cerebral Hemorrhage and Pulmonary Infection in Neurosurgical ICU PAN Yi
- 124 Effect of Single-Chamber Pacemaker Combined with Metoprolol Sustained-Release Tablets in the Treatment of Acute Vasovagal Syncope JIANG Nan
- 126 Comparative Analysis of Long-term Efficacy of Radiofrequency Ablation for Persistent Atrial Fibrillation FU Ji-wei
- 128 Clinical Effect of Cataract Phacoemulsification with Intraocular Lens Implantation and Angle Separation for the Treatment of Angle-closure Glaucoma with Cataract XU Wei
- 131 Observation on the Effect of Improved Pediatric External Ear Canal Irrigator in Pediatric Patients ZHANG Li
- 133 Experience in the Treatment of Early Enteral Intestines in Critically Ill Patients with Neurosurgery ZHANG Ting-ting
- 135 Effect of Low Position Forceps Midwifery on Female Pelvic Floor Function LI Jing-yuan
- 138 Comparison of Clinical Application Effects Between Umbilical Cord Processor and Traditional Umbilical Ligation XIAO Yu-hong WU Hong-wei LIU Chun-feng YANG Heng
- 141 Clinical Comparison of Venous PICC Catheterization in Different parts ZHAO Jie
- 143 Application of Automatic Hollow Needle Biopsy in the Diagnosis of Maxillofacial Mass YUE Bai
- 144 Clinical and Pathological Analysis of 226 Cases of Thyroid Nodules by Fine Needle Aspiration FAN Xiao-ming LI Ping
- 146 Clinical Effect Observation of PCR Instrument and Sequencer Applied to Detection of Hepatitis C Virus Genotype SONG Shu-sen LI Qiang GU Hai-feng WANG Yan
- 148 Analysis and Discussion on Urine Analyzer Compared with Urine Sediment Microscopy for Detection of Urine Red and White Blood Cells LI Fei

Equipment Management

- 150 Discussion on the Feasibility Demonstration Model of Medical Equipment Based on Economic Benefit Forecast LI Hui-li ZHANG Qun-cheng GUO Ming-zhou
- 153 Research on Establishing A Sound Equipment Procurement Supervision System Based on Big Data Analysis WANG Li LI Jun-zhong ZUO Shi-qi
- 156 Measures to Deal with the Problems in the Purchase Management of Hospital Medical Devices BI Zhan-sui
- 158 Talking About the Classification, Procurement and Supply Management of Medical Equipment Maintenance Parts LI Ye
- 160 Discussion on the Key Paths of Medical Equipment Quality Management in General Hospitals CHU Yong-hua
- 163 Practical Application Research of Medical Equipment Maintenance Management System Based on ERP CHEN Jiu-qi
- 166 Application Research of PDCA in Medical Device Safety (Adverse) Event Management WANG Zhi
- 168 Process Reengineering and Evaluation of In-vitro Diagnostic Reagent Management in A Specialized Hospital ZHU Hong-min HUANG Gao-ying TAO Qi-lin GENG Jing XU Jin ZHU Ya-qing ZHANG Xiao-bo
- 171 Discussion on Design of Secondary Reagent Library Management System Based on SPD JIN Ting GUO Bi-na
- 173 Talking About the Influence of Quality Management of Instrument and Equipment of Mobile Blood Collecting Vehicle on Blood LV Xiao-meng
- 175 Problems in Radiological Medical Equipment Management and Maintenance Suggestions DENG Liang-zhou HU Ya-heng CHENG Zhi-yuan WEI Wen-cun ZOU Lin
- 178 Two Cases of Trouble Maintenance of Philips iU22 Color Doppler Ultrasound Diagnostic System YANG Shuo
- 180 Hitachi 7180 Biochemical Instrument Maintenance and Maintenance LIAO Huan

万方数据

Published by:
China Medical Device Information Magazine Agency
Publish Date: January 15, 2020

Printed by:
Tianjin Yongying Printing Co., Ltd.
Distribution:
Beijing Post Offices, PRC
National Periodical Number: CN11-3700/R
P.O. License: 82-256
Ad License: Beijing Chaoyang 20170238
Advertising Agency:
Huayi Kangjian Culture Media (Beijing) Co., Ltd.

China Medical Device Information Magazine Agency
Add: Room 1101, BLK 18 SOHO, 39 East Third Ring Road, Chaoyang District, Beijing, 100022
Fax: 86-10-59000038
Http://www.cmdin.cn

Serial parameters: ISSN1006-6586*CN11-3700/R*1995
*s*16*168*z*b*p*18.00*50000*24*2020-01



WeChat Subscription

China Medical Device Information is not responsible for views expressed, nor does it guarantee the truth of content described in advertisement or the product information of the magazine.