

# 信息



庆祝中国共产党成立100周年  
The 100th Anniversary of the Founding of  
The Communist Party of China

## 红色华诞 光辉历程



## ◎ 审评与监管

- 1 医疗器械生物相容性评价: 现状、进展与趋势 赵鹏 邢丽娜 刘文博 叶成红
- 5 体外诊断试剂参考区间技术审评常见问题及建议 张莉莉 张苏琳 唐力 王文娟 戴清
- 7 二类医疗器械技术审评过程中的不合格原因分析与纠正预防措施 王丰 张威鹏 康涛 马雪冬
- 9 人工智能在医疗器械领域的研究及影响 王小良 郭嘉杰
- 11 建立医疗器械应急管理体系的必要性 马夏霞 伍倚明 向丽炬 苏紫娟 苏明
- 13 核酸分子杂交仪安全有效性评价 李小江 梁春滢
- 15 湖北省部分医疗器械生产企业工艺用水水质状况调查 梅享林 魏嫣

## ◎ 标准与检测

- 18 外科植入物钛及钛合金阳极氧化杂质元素分析方法及结果统计分析 朱进清 李沅 张晨 付瑞芝 张路 董双鹏 马金竹
- 21 牙齿美白冷光仪的光学特性研究 丁罕 李婷婷 王海娟 刘智伟
- 24 天然橡胶胶乳避孕套微生物检查法适用性研究 卜红宇 高瑞霞 吕玲英 韩峰

## ◎ 研究报告

- 26 二维电离室阵列在调强放疗剂量验证中的应用 王逸轩 孟皓宇 朱琳 李飞 蔡春雅 王学涛
- 28 急诊临床系统的发展与研究 石惟明
- 31 精神分裂症患者认知功能缺陷与其脑功能磁共振低振幅特征研究 朱宝华

## ◎ 综述

- 34 CT冠状动脉造影与心肌灌注的进展研究 赖朝辉 祁晓峰
- 37 浅析OCTA检测视网膜色素变性血流变化的研究 李雁 蒙欣欣 王伟娟
- 39 三维CT在发育性髋关节脱位中的研究进展 杨秀艳 杨建成
- 41 内镜下内痔治疗的临床研究进展 柴仲秋 韩云雨 周冰
- 43 肾癌腹腔镜手术治疗的应用进展 王华东
- 45 胰岛素泵治疗2型糖尿病的临床研究进展 高洁

## ◎ 临床应用

- 48 核磁共振成像(MRI)与CT在急性颅脑损伤诊断中的应用价值研究 邱志伟 朴成浩
- 50 小儿常见颈部肿物的CT、MRI表现研究 张秀芸
- 53 低剂量CT与常规剂量CT在肺部疾病筛查中的效用对比 廖呈俊 郑许强
- 55 脊柱结核的MRI表现分析 吕艳杰 李旭 赵娟
- 57 CT胸部扫描对肺结核的诊断价值 王志强
- 60 CT与MRI对膝关节损伤的应用及结果对比分析 王煜
- 62 核磁共振检查在膝关节损伤诊断中的应用意义与价值分析 张磊
- 64 X射线在肺炎支原体肺炎定性诊断中的价值 夏冰
- 66 颈部血管超声诊断脑梗死合并颈动脉狭窄病变的效果评价 石佳
- 68 彩色多普勒超声对甲亢症与桥本氏甲状腺炎鉴别诊断的价值分析 车璐
- 70 彩色超声多普勒诊断鉴别甲状腺良恶性结节的价值 董立阳
- 72 超声造影与彩色多普勒超声在肝实质性肿块诊断中的临床应用 王海燕

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	顾力栩
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

- 74 下肢深静脉血栓患者诊断中彩色多普勒超声的作用分析 徐峰
- 76 彩色及能量多普勒超声在乳腺肿块鉴别诊断中的价值研究 王锦丽
- 77 比较经阴道超声与核磁共振成像检查在诊断非肿瘤性卵巢疾病的效率差异 赵冬冰
- 79 异位妊娠患者接受腹部彩超与阴道彩超在诊断中的应用价值对比分析 俞威
- 81 两种不同超声诊断技术在早期异位妊娠临床诊断中的应用比较 王武民
- 83 经腹超声联合经阴道超声诊断子宫肌瘤的临床价值 陶莹莹
- 85 超声评价产后耻骨联合分离康复效果的价值 高翰林 蒋荷娟 冯靖
- 88 彩色多普勒超声在诊断小儿急性阑尾炎中的临床价值 刘艳凤 刘艳 刘悦
- 90 神经刺激仪超声引导下神经阻滞术用于下肢术后镇痛的效果观察 谢磊
- 92 25G内针直接单侧腰麻应用于剖宫产术中麻醉时间的影响 吴猛
- 94 无创机械通气联合雾化吸入对老年慢阻肺伴呼吸衰竭患者的治疗价值评估 郭英华 邵勤
- 96 应用呼吸机对成人重症肺炎患者支持治疗的临床效果 陈龙
- 98 氧气雾化器雾化吸入治疗小儿呼吸系统疾病效果分析 纪红
- 100 纤维支气管镜在ICU机械通气患者中的应用研究 沈巍
- 102 上消化道异物患者应用常规胃镜与无痛胃镜治疗的对照评价 翟延刚
- 104 胃息肉患者的胃镜微创治疗手术效果及注意事项分析 张远臣
- 107 腹腔镜胃穿孔修补术临床效果分析 徐胜林
- 108 腹腔镜、胃镜联合治疗胃间质瘤的手术效果观察 许少智 郑茂松 蒋羽 林阳峰
- 111 联用腹腔镜与胃镜手术治疗胃间质瘤的效果分析 陈勇军 潘晓明
- 114 超声刀在腹腔镜胃癌根治术中的临床应用效果观察 张强
- 116 腹腔镜胆囊切除术对老年急性坏疽性胆囊炎的治疗效果和安全性 周森
- 118 研究腹腔镜胆囊切除术治疗急性胆囊炎的临床效果 杨朝华
- 120 腹腔镜阑尾切除术治疗急性阑尾炎的疗效观察 张长海
- 122 分析腹腔镜治疗宫腔粘连的临床效果 李兰
- 124 双极电凝联合手术刀应用在乳腺癌手术中的效果观察 李海峰
- 126 经尿道等离子前列腺剜除术治疗大体积前列腺增生的效果观察 韩峰
- 128 不同腹腔镜修补方案对疝气患者应激反应、康复指标及术后生命质量的影响 周勤
- 130 两种负压吸引器在终止早期妊娠中的临床效果对比研究 郭瑞江
- 132 自制弹性牵引器械联合VSD负压引流术治疗四肢创伤的临床疗效及对患者感染率的影响 胡治
- 135 对比髓内钉和内侧锁定钢板治疗胫骨骨折的疗效 殷伟根 周萍
- 137 根管显微镜联合超声技术治疗阻塞根管的效果分析 丁纯
- 139 正畸治疗中自锁矫治器和传统直丝弓矫治器的疼痛程度对比及疼痛规律研究 张子衿
- 141 Vector超声治疗仪与Gracey刮治器治疗牙周炎的对比观察 李敏 李畅
- 143 针灸联合远红外照射治疗脾胃不合型失眠的临床效果与预后质量 杜文
- 145 微量泵在糖尿病酮症酸中毒中的临床应用 田建红
- 147 电子血压计与水银血压计对脑卒中患者血压监测的一致性分析 康中美
- 149 针对早期新生儿黄疸的诊断中采用经皮测胆仪的临床效果进行探析 李娟
- 151 血液分析仪对急性白血病患者诊断的价值探讨 马爽
- 153 乳酸血样对血液分析仪测定血红蛋白结果的影响及消除评价 李桂丽
- 155 分析化学发光法和酶联免疫法在丙肝病毒抗体检测中的价值 武国超
- 157 干化学法与尿沉渣镜检红细胞和白细胞结果的对比 王帅

## ◎ 设备管理

- 159 突发公共卫生事件期间的医疗器械管理探讨 方军 赵宏伟 王晓娅 薛莉
- 162 基于医疗器械企业改制下市场营销的创新略谈 倪世利 武玉娟 于新海 王春艳
- 165 医用耗材集采模式历史变迁及展望 蒋昌松 李焱阳 唐菲
- 168 基于HRP系统的植入性医疗器械全流程供应链管理研究 陶麒麟 张晓波 倪佳晟 耿静
- 171 手术后器械预处理保湿方式应用于长时间滞留手术器械清洗质量的效果分析 陈海玲 朱岳英 胡秀英
- 173 辅助手工清洗输尿管钳、异物钳装置在消毒供应中心的应用 林霞
- 175 医疗设备故障的快速诊断与维修技术应用 许泉杰
- 178 婴儿培养箱合理的深度维护保养周期及内容的探讨 陈哲 马春贵 白丽
- 180 岛津MUX-100DJ移动X线机的故障与维修 肖统生 范梅红

## ◎ 行业报道

- 183 在医疗创新之上，理邦演奏了一曲生命交响乐

出版：《中国医疗器械信息》杂志社  
出版日期：2021年6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\*2021-11



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，未经本杂志社书面同意不得转载。

## Evaluation and Supervision

- 1 Biocompatibility Evaluation of Medical Devices: Status, Progress and Trend ZHAO Peng XING Li-na LIU Wen-bo YE Cheng-hong
- 5 Common Problems and Suggestions on Technical Review of Reference Interval of in Vitro Diagnostic Reagents ZHANG Li-hi ZHANG Su-lin TANG Li WANG Wen-juan DAI Qing
- 7 The Unqualified Reason Analysis and Corrective and Preventive Measures in the Process of Technical Evaluation of Class II Medical Devices WANG Peng ZHANG Wei-peng KANG Tao MA Xue-dong
- 9 Research and Influence of Artificial Intelligence in the Field of Medical Devices WANG Xiao-liang GUO Jia-jie
- 11 Necessity of Establishing Medical Device Emergency Management System MA Xiao-xia WU Yi-ming XIANG Li-xuan SU Zi-mei SU Ming
- 13 Safety and Effectiveness Evaluation of Nucleic Acid Molecular Hybridization Instrument LI Xiao-jiang LIANG Chun-ying
- 15 Investigation on the Quality of Process Water for Some Medical Device Manufacturing Enterprises in Hubei Province MEI Xiang-lin WEI Yan

## Standard and Testing

- 18 Methods for Analysis of Anodized Impurity Elements in Titanium and Titanium Alloys and Statistical Analysis of the Results ZHU Jin-qing LI Yuan ZHANG Chen FU Rui-zhi ZHANG Lu DONG Shuang-peng MA Jun-zhu
- 21 The Study on Optical Properties of Dental Whitening Accelerator DING Han LI Ting-ting WANG Hai-juan LIU Zhi-wei
- 24 Study on Microbial Test Method Applicability of Natural Latex Rubber Condoms BU Hong-yu GAO Rui-xia LV Ling-ying HAN Feng

## Research Report

- 26 Application of 2D Ionization Chamber Array in Dose Verification of Intensity Modulated Radiotherapy WANG Yi-xuan MENG Hao-yu ZHU Lin LI Fei CAI Chun-yu WANG Xue-tao
- 28 Development and Research of Emergency Clinical System SHI Wei-ming
- 31 Cognitive Deficits and the Characteristics of Brain Functional Magnetic Resonance Low Frequency Amplitude in Patients with Schizophrenia ZHU Xi-hua

## Review

- 34 Advances in CT Coronary Angiography and Myocardial Perfusion LAI Chao-hui QI Xiao-feng
- 37 A Brief Analysis on OCTA Detection of Blood Flow Changes in Retinitis Pigmentosa LI Yan MENG Xin-xin WANG Wei-juan
- 39 Research Progress of Three-Dimensional CT in Developmental Dislocation of Hip YANG Xiu-yun YANG Jian-cheng
- 41 Clinical Research Progress of Endoscopic Treatment of Internal Hemorrhoids CHAI Zhong-qiu HAN Yun-yu ZHOU Bing
- 43 Application Progress of Laparoscopic Surgery for Renal Cell Carcinoma WANG Hua-dong
- 45 Clinical Research Progress of Insulin Pump in the Treatment of Type 2 Diabetes Mellitus GAO Jie

## Clinical Application

- 48 The Value of Magnetic Resonance Imaging (MRI) and CT in the Diagnosis of Acute Craniocerebral Injury QIU Zhi-wei PIAO Cheng-hao
- 50 CT and MRI Findings of Common Neck Masses in Children ZHANG Xiu-yun
- 53 Comparison of Low-Dose CT and Conventional Dose CT in Pulmonary Disease Screening LIAO Cheng-jun ZHENG Xu-qiang
- 55 Spinal Tuberculosis Analysis of MRI Manifestations LV Yan-jie LI Xu ZHAO Juan
- 57 The Value of CT Chest Scan in the Diagnosis of Pulmonary Tuberculosis WANG Zhi-qiang
- 60 Application of CT and MRI in Knee Joint Injury and Comparative Analysis of Results WANG Yu
- 62 The Significance and Value of MRI in the Diagnosis of Knee Joint Injury ZHANG Lei
- 64 To Study the Value of X-Rays in the Qualitative Diagnosis of Myositis XIA Bing
- 66 Evaluation of Neck Vascular Ultrasound in Diagnosing Cerebral Infarction with Carotid Stenosis SHI Jia
- 68 Value Analysis of Color Doppler Ultrasound in Differential Diagnosis of Hyperthyroidism and Hashimoto's Thyroiditis CHE Lu
- 70 Value of Color Doppler Ultrasound in Differential Diagnosis of Benign and Malignant Thyroid Nodules DONG Li-yang
- 72 The Clinical Application of Contrast-Enhanced Ultrasound and Color Doppler Ultrasound in the Diagnosis of Liver Parenchymal Masses WANG Hui-yun
- 74 The Role of Color Doppler Ultrasound in the Diagnosis of Lower Extremity Deep Vein Thrombosis XU Feng
- 76 Value of Color and Power Doppler Ultrasound in Differential Diagnosis of Breast Masses WANG Jin-li

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: ylxqxxxx@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

- 77 To Compare the Efficiency of Transvaginal Ultrasound and MRI in Diagnosing Non-Neoplastic Ovarian Diseases ZHAO Dong-bing
- 79 Comparative Analysis of the Application Value of Abdominal Color Doppler Ultrasound and Vaginal Color Ultrasound in the Diagnosis of Ectopic Pregnancy YU wei
- 81 Comparison of Two Different Ultrasound Diagnostic Techniques in Clinical Diagnosis of Early Ectopic Pregnancy WANG Wu-min
- 83 The Clinical Value of the Combination of Transabdominal and Transvaginal Ultrasonography in the Diagnosis of Uterine Fibroids TAO Ying-ying
- 85 Evaluation of Rehabilitation Effect of Postpartum Pubic Symphysis Separation with Ultrasound GAO Han-lin JIANG He-jun FENG Jing
- 88 Clinical Value of Color Doppler Ultrasound in the Diagnosis of Acute Appendicitis in Children LIU Yan-feng LIU Yan LIU Yue
- 90 The Effect of Ultrasound-Guided Nerve Block on Postoperative Analgesia of Lower Limbs was Observed XIE Lei
- 92 Effect of 25G Internal Needle on Anaesthesia Time in Cesarean Section WU Meng
- 94 Evaluation of the Therapeutic Value of Non-Invasive Mechanical Ventilation Combined with Nebulized Inhalation in Elderly Patients with Chronic Obstructive Pulmonary Disease and Respiratory Failure GUO Ying-hua TAI Xun
- 96 Clinical Effect of Ventilator on Supporting Treatment of Adult Severe Pneumonia Patients CHEN Long
- 98 Effect Analysis of Oxygen Atomizer Atomization Inhalation on Respiratory Diseases in Children Ji Hong
- 100 Application of Fiberoptic Bronchoscope in Patients with Mechanical Ventilation in ICU SHEN Wei
- 102 Comparison Routine Gastroscopy and Painless Gastroscopy in Patients with Upper Gastrointestinal Foreign Body ZHAI Yan-gang
- 104 The Effect of Minimally Invasive Gastroscopic Treatment for Gastric Polyps and the Matters Needing Attention were Analyzed ZHANG Yuan-chen
- 107 Clinical Analysis of Laparoscopic Repair of Gastric Perforation XU Sheng-lin
- 108 Effect of Laparoscopy Combined with Gastroscopy in the Treatment of Gastric Stromal Tumor XU Shao-zhi ZHENG Mao-song JIANG Yu LIN Yang-feng
- 111 Analysis of the Effect of Laparoscopy Combined with Gastroscopy in the Treatment of Gastric Stromal Tumor CHEN Yong-jun PAN Xiao-ming
- 114 Observation of the Clinical Application Effect of Ultrasonic Knife in the Cure of Laparoscopic Gastric Cancer ZHANG Qiang
- 116 Efficacy and Safety of Laparoscopic Cholecystectomy for Elderly Acute Gangrenous Cholecystitis ZHOU Miao
- 118 Research of Clinical Effect of Laparoscopic Cholecystectomy in Treatment of Acute Cholecystitis YANG Chao-hua
- 120 Observation on the Curative Effect of Laparoscopic Appendectomy for Acute Appendicitis ZHANG Chang-hai
- 122 To Analyze the Clinical Effect of Hysteroscopy in the Treatment of Intrauterine Adhesions LI Lan
- 124 The Effect of Bipolar Electrocoagulation Combined with Scalpel in Breast Cancer Operation LI Hai-feng
- 126 Transurethral Plasma Enucleation of Prostate for the Treatment of Massive Prostatic Hyperplasia HAN Feng
- 128 Different Laparoscopic Hernia Repair Programs for Stress Response and Rehabilitation Indicators in Patients with Hernia and the Impact of Postoperative Quality of Life ZHOU Qin
- 130 Comparative Study on the Clinical Effect of Two Kinds of Negative Pressure Suction Devices in Termination of Early Pregnancy GUO Rui-jiang
- 132 Clinical Effect of Self-Made Elastic Traction Instrument Combined with VSD Negative Pressure Drainage in the Treatment of Limb Trauma and Its Influence on the Infection Rate of Patients HU Po
- 135 Compare the Efficacy of Intramedullary Nail and Medial Locking Plate in the Treatment of Tibial Fractures YIN Wei-gen ZHOU Ping
- 137 Analysis of the Effect of Root Canal Microscopy Combined with Ultrasonic Technique in the Treatment of Blocked Root Canal DING Chun
- 139 Comparison of Pain Degree and Pain Regularity Self-Locking Appliance and Traditional Straight Wire Appliance in Orthodontic Treatment ZHANG Zi-jin
- 141 Comparison of Vector Ultrasonic Therapy Instrument and Gracey Curettage Instrument in the Treatment of Periodontitis LI Min LI Chang
- 143 Clinical Effect and Prognostic Quality of Acupuncture Combined with Far-Infrared Radiation in the Treatment of Spleen and Stomach Incompatibility Insomnia DU Wen
- 145 Clinical Application of Micropump in Diabetic Ketoacidosis TIAN Jian-hong
- 147 Analysis of Consistency Between Electronic Sphygmomanometer and Mercury Sphygmomanometer in Monitoring Blood Pressure of Stroke Patients KANG Zhong-mei
- 149 Objective to Explore the Clinical Effect of Percutaneous Cholangiometer in the Diagnosis of Early Neonatal Jaundice LI Wu
- 151 The Value of Hematology Analyzer in the Diagnosis of Acute and Chronic Leukemia MA Shuang
- 153 Effect of Chylous Blood Sample on Hemoglobin Determination by Hematology Analyzer and Evaluation of Elimination LI Gui-li
- 155 The Value of Analytical Chemiluminescence and Enzyme-Linked Immunoassay in Detection of Hepatitis C Virus Antibody WU Guo-chao
- 157 Comparison of Red Blood Cell and White Blood Cell Results Between Dry Chemical Method and Urinary Sediment Microscopy WANG Shuai

## Equipment Management

- 159 Management of Medical Devices in Our Hospital During Public Health Emergencies FANG Jun ZHAO Hong-wei WANG Xiao-yu XUE Li
- 162 Marketing Innovation Based on the Reform of Medical Device Enterprises NI Shi-li WU Yu-juan YU Xin-hai WANG Chun-yun
- 165 The Historical Stages and Prospects of the Centralized Procurement Mode of Medical Consumables in China JIANG Chang-song LI Xi-yang TANG Fei
- 168 Research on the Supply Chain Management Model of Implantable Medical Devices based on HRP Information System TAO Qi-lin ZHANG Xiao-bo NI Jie-sheng GENG Jing
- 171 The Effect of Application of New Moisturization Method in Pretreatment Progress on Long-Stay Surgical Instruments' Cleaning CHEN Hai-ling ZHU Yue-ying HU Xiu-ying
- 173 Application of Auxiliary Manual Cleaning Device for Urinary Catheter Forceps and Foreign Body Forceps in Disinfection and Supply Center LIN Xia
- 175 Rapid Diagnosis and Maintenance Technology for Medical Equipment Failure XU Quan-jie
- 178 Discussion on Reasonable Deep Maintenance Cycle and Content of Infant Incubator CHEN Zhe MA Chun-gui BAI Li
- 180 Malfunction and Maintenance of Shimadzu MUX-100DJ Mobile X-Ray Machine XIAO Tong-sheng FAN Mei-hong

Published by:  
China Medical Device Information Magazine Agency  
Publish Date: June 15, 2021

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\*zb\*p\*18.00\*50000\*24\*2021-11



WeChat Subscription