

# 2023 年第 22 卷目次

## 专家共识

收治新型冠状病毒感染者医疗机构的终末消毒及效果评价中国专家共识

高晓东, 班海群, 陈文森, 等(233)

中国医疗机构工作人员流感疫苗预防接种指南

黄 勋, 冯录召, 杜小幸, 等(871)

免疫缺陷人群新型冠状病毒感染诊治策略中国专家共识(2023. V2 版)

巨春蓉, 王梅英, 袁 静, 等(1411)

## 专家论坛

慢性肾脏病合并丙型肝炎病毒感染诊断、治疗和预防的临床实践指南(2023 年版)

慢性肾脏病合并丙型肝炎病毒感染诊断、治疗和预防专家组(369)

防止常见季节性呼吸道病毒疾病在医院内传播的措施

宋晓岩(999)

我国儿童抗菌药物使用管理相关策略及述评

叶 青, 冯佳佳, 孔维华, 等(1143)

压疮感染的预防、诊断与治疗要点

谢 婵, 陈希瑶(1279)

## 论著

2011—2020 年儿童腺病毒医院感染的临床特征

张莉莉, 邓柳颐, 石丽娟, 等(1)

贵州地区 2017—2020 年结核分枝杆菌卷曲霉素耐药与相关基因突变关系

李秋阳, 曾强林, 陈小菊, 等(7)

基于 PATRIC 公共数据库不同标本来源的耐碳青霉烯类肺炎克雷伯菌基因组特征比较

张 娜, 孟 标, 金美玲, 等(14)

基于基因测序和 GEO 数据挖掘探讨结核性溃疡的发病机制

高贝贝, 黄子慧, 陈思琪, 等(23)

耐碳青霉烯类肠杆菌目细菌耐药性、临床感染特征及 *mcr* 基因分析

肖 晓, 杭修兵, 王 梦, 等(31)

变栖克雷伯菌感染患者的临床特征

钟一鸣, 罗昕怡, 李艳明, 等(38)

广州地区 2017—2022 年儿童呼吸道感染疾病负担及常见病原体流行特征

李静静, 黄建英, 刘妙玲, 等(44)

不同免疫状态下细菌性肝脓肿患者临床特点与预后影响因素

杨惠安, 原津津, 俞晓玲, 等(52)

三家宏基因组测序平台的性能评估比较

杨涵, 郭巧梅, 王薛庆, 等(59)

老年住院患者血培养病原菌及耐药性

姜雪锦, 吕 敏, 孙吉花, 等(68)

亚胺培南联合磷霉素对多重耐药鲍曼不动杆菌的试验研究

王亚萍, 郭 普, 汪华学(74)

贵州省 2019 年 12 所医疗机构医院感染监测平台

过程类数据与结果类数据比较

王颜颜, 查筑红, 林 丹, 等(80)

某新冠定点救治医院新型冠状病毒奥密克戎变异株环境污染调查

王美霞, 史庆丰, 李 娜, 等(89)

医务人员对不同品牌医用防护口罩的主观感受与适合性测试结果

贾会学, 姚 希, 钱晶京, 等(96)

基于 HFMEA 预防 ICU 多重耐药菌医院感染暴发的效果评价

邬 燕, 陈 婉, 谢永兰, 等(102)

医用防护口罩定性适合性检验在临床医务人员中的应用

王梦梦, 沙 莉, 刘 艳, 等(110)

基于机器学习的急性缺血性脑卒中医院感染预测模型建立与评价

刘建模, 罗颖文, 俞鹏飞, 等(129)

第三代头孢菌素耐药大肠埃希菌血流感染风险预测模型的建立及验证

刘春林, 陈 萍, 杜燕娇, 等(136)

常规检验数据挖掘对急性缺血性脑卒中并发卒中相关肺炎的预测价值

曾瑞璜, 陈智熙, 王小林, 等(142)

肝癌患者经肝动脉化疗栓塞术后感染风险预测模型的构建及验证

李海兰, 翟惠敏, 杨慧杰, 等(150)

NICU 新生儿脐静脉置管血流感染风险预测模型的构建与验证

苗逸群, 刘文文, 赵淑良, 等(159)

- 糖尿病患者骨关节置换术围手术期血糖控制水平对手术部位感染及病原菌分布的影响 ..... 何红英, 王琼, 宋江润, 等(167)
- 骨科关节镜手术手术部位感染聚集的流行病学调查 ..... 杨剑锐, 闵琦芬(175)
- 胃癌术后手术部位感染危险因素的 Meta 分析 ..... 周星星, 刘善善, 周晓敏, 等(181)
- 基于倾向性评分匹配的手术部位感染影响因素分析:一项真实世界研究 ..... 贺子强, 袁水斌, 王勋松, 等(189)
- 医护一体化感染防控管理对眼科手术感染的防控效果研究 ..... 万杏, 何宇红, 吴磊(195)
- 国家早期预警评分 2 联合血乳酸预测重症社区获得性肺炎患者短期预后的价值 ..... 杨惠安, 俞晓玲, 黄水文, 等(200)
- 金黄色葡萄球菌血流感染住院患儿临床特征及危险因素 ..... 施君, 王红梅, 邓继岿(208)
- 陕西省 2017—2020 年 212 所医疗机构水银血压计和体温计及相应替代产品使用现状调查 ..... 郭紫薇, 盛耘, 王浩, 等(217)
- 新型冠状病毒 ORF3a 蛋白质的生物信息学分析 ..... 王瑄, 李祥芳, 丁寿鹏, 等(224)
- 重症监护病房患者耳念珠菌感染的调查与防控 ..... 汪俊, 马亚林, 张德龙, 等(249)
- 成人灰色小克银汉霉侵袭性毛霉菌病 1 例并文献复习 ..... 傅磊, 沈磊, 卞建军, 等(254)
- 拟康宁木霉引起血流感染 1 例及文献综述 ..... 宋津晓, 李素彦, 李宁(262)
- 三种表面活性剂对表皮葡萄球菌生物膜渗透性及成膜关键基因 *agr* 表达的影响 ..... 石晶金, 方溢文, 官妍(267)
- 44 株 HIV/MAV 双重感染者 MAV 基因分型和药敏结果分析 ..... 李祥芳, 丁寿鹏, 高婧华, 等(275)
- 广西地区结核分枝杆菌异烟肼耐药基因突变特征分析 ..... 秦翊翔, 蓝如束, 覃慧芳, 等(280)
- 11 种联合方案对耐碳青霉烯类肠杆菌的体外联合药敏试验 ..... 陆国平, 唐浩, 夏兆新, 等(287)
- 新型冠状病毒感染暴发中病人的分诊管理 ..... 黄国庆, 曾维倩, 王文波, 等(295)
- 高强度紫外线消毒机器人对多重耐药菌的消毒效果 ..... 韩梦鸽, 史庆丰, 高晓东, 等(304)
- 2012—2022 年肠道绦虫感染患者的临床表现和流行病学特征 ..... 李小丽, 栗绍刚, 吴赵永(309)
- 肠脂肪酸结合蛋白与肝硬化患者细菌感染和不良预后的相关性研究 ..... 韩才均, 吴政燮, 黄媛, 等(315)
- 肝包虫病手术部位感染直接经济损失 1:1 匹配病例对照研究 ..... 赵永玲, 王凯, 王梅英, 等(322)
- 预充式导管冲洗器对中心静脉导管封管的效果 ..... 祝喜鹰, 刘金凤, 牛洪艳, 等(328)
- 住院患者抗菌药物治疗前病原学送检水平干预效果评价 ..... 周宁, 张晓霞, 路璐(334)
- 以胜任力为导向的基层感染预防与控制专职人员岗位培训实践及效果 ..... 侯玉娟, 李运红, 陈婷, 等(339)
- 某三甲中医院医务人员针灸针职业暴露调查 ..... 李飞燕, 黄平(346)
- 黄杞昔干预 NF-κB 信号通路抑制巨噬细胞炎症反应及氧化应激 ..... 李姗, 周志文, 刘湘花, 等(383)
- CYP2R1 基因多态性与维生素 D 水平和肺结核病易感性的相关性研究 ..... 黄秋丽, 曹雪平, 王玉清, 等(391)
- PCT/ALB 联合 CRP/ALB 预测儿童肺炎链球菌感染致坏死性肺炎的临床价值 ..... 吴守业, 林道炯, 王亚洲(398)
- 综合医院 ICU 患者及环境分离多重耐药菌耐药率及同源性 ..... 许波银, 李娴, 蔡花, 等(404)
- 某院连续 5 年耐亚胺培南铜绿假单胞菌临床分布及其耐药性变迁 ..... 冯江涛, 赵建平, 杨国安, 等(411)
- 儿童患者分离金黄色葡萄球菌的临床分布特点及基因型 ..... 房锐颖, 黄莉莉, 张亚萍, 等(418)
- 不同肠内营养途径对 ICU 机械通气患者呼吸机相关性肺炎影响的网状 Meta 分析 ..... 何静漪, 王芳, 梁倩, 等(424)
- 集束化护理降低急性白血病化疗患者肺部感染发病率的效果研究 ..... 杨书环, 杨贵芳, 田桂荣, 等(435)
- 重症监护病房患者多重耐药菌感染风险预测模型的系统评价 ..... 桑玉还, 严忠婷, 袁媛, 等(442)
- 湖南省 HIV-1 感染者原发性耐药现况调查 ..... 曹旭健, 曹静, 邱慧, 等(451)
- 新生儿肠造瘘手术后医院感染特征及其影响因素 ..... 韦艳妮, 廖丹, 欧作强, 等(457)

- 2021 年郴州市人间布鲁氏菌病流行特征及分离菌株种型鉴定 ..... 谢群, 胡琳, 袁红霞, 等(463)
- 新型冠状病毒感染复阳人员口罩及病房环境污染情况调查 ..... 林佳冰, 史庆丰, 孙伟, 等(468)
- 综合医院应对呼吸道传染病医院感染防控应急体系的构建 ..... 赵霞, 赵国光, 李嘉, 等(473)
- 运用 PDCA 预防与控制住院患者多重耐药菌感染的成效 ..... 魏德杰, 王风燕, 李爱珍, 等(478)
- 耐碳青霉烯类肠杆菌目细菌耐消毒剂基因及四种消毒剂最低抑菌浓度检测 ..... 刘志武, 张甜甜, 黄喜凤, 等(497)
- 不同类型医院空气净化方式应用情况调查 ..... 贾会学, 姚希, 陆群, 等(504)
- 河南省 170 所医院过氧化氢低温等离子体灭菌管理现状调查 ..... 丁丽娜, 姚卓娅, 李漫春, 等(512)
- 复方过氧化物消毒剂低温消毒效果及安全性研究 ..... 蔡慧玲, 吴启鹏, 李家祺, 等(522)
- 宏基因组二代测序在骨关节感染病原学诊断中的应用 ..... 凌勇, 胡雪姣, 赵越, 等(527)
- 三级医院住院患者抗菌药物治疗前病原学送检率管理现状调查 ..... 陈晓旭, 李松琴, 刘娟, 等(532)
- 肾移植术后感染病原菌特点及死亡风险 ..... 冼盈, 段智勤, 李衡, 等(539)
- 重组结核分枝杆菌融合蛋白皮肤试验与 TST 在学校结核潜伏感染筛查中的比较 ..... 苏倩, 汪清雅, 张婷, 等(547)
- 2017—2022 年中国 HIV 感染者高危性行为发生率的 Meta 分析 ..... 苏昕怡, 肖雪玲, 李怡轩, 等(552)
- 甘肃省医疗机构医务人员结核病认知现状调查 ..... 范金平, 胡逢静, 张浩军, 等(563)
- 神经内科 ICU 耐碳青霉烯类肺炎克雷伯菌感染疑似暴发调查与控制 ..... 韩颖, 赖晓全, 徐敏, 等(569)
- 15 例肺诺卡菌病的临床特征 ..... 金文芳, 姚羽, 许菲, 等(574)
- 2021 年江苏省某市新型冠状病毒感染本土疫情中疑似采样点继发感染情况及采样策略评价 ..... 张楠, 沈雅, 金广杰, 等(581)
- 医疗机构内新冠疫情精准流行病学调查实践研究 ..... 郭琳雯, 黄文治, 李婧闻, 等(586)
- 医疗机构保洁人员“一前五后”手卫生干预效果研究 ..... 李妍, 何文斌, 冯毕龙, 等(591)
- 结核分枝杆菌 Rv3529c 蛋白的生信分析及原核表达 ..... 陈瑞枫, 王瑄, 马枫茜, 等(621)
- 2013—2018 年河南省 5 个耐药监测点结核分枝杆菌耐药性 ..... 王少华, 陈瑞琴, 常文静, 等(629)
- 2021 年甘肃省尿标本病原菌分布及耐药性 ..... 王雯婕, 景玉洁, 崔亚丽, 等(637)
- 2019—2022 年甘肃省 ICU 病原菌分布及耐药性 ..... 陆章平, 张红微, 耿方敏, 等(646)
- 2013—2022 年河北省单核细胞增生李斯特菌的临床分布及耐药性 ..... 秦璞, 赵汉林, 崔思瑶, 等(655)
- 湖南省 HIV-1 低病毒血症患者的生存质量及影响因素调查 ..... 张王君, 魏秀青, 周珍红, 等(660)
- 新生儿重症化脓性脑膜炎与普通化脓性脑膜炎的对比分析 ..... 朱雯, 邹芸苏, 曹兆兰, 等(667)
- 艾滋病合并中枢性马尔尼菲篮状菌病临床特征 ..... 卢焕, 黎彦君, 秦英梅, 等(674)
- CT 引导经皮穿刺肺活检诊断肺感染性疾病的临床意义 ..... 陈桂荣, 夏凤鸣, 秦志强, 等(680)
- 43 例鹦鹉热衣原体肺炎临床特征 ..... 许容容, 张蔷, 韩淑华, 等(688)
- 呼吸危重症精准诊疗体系在抗菌药物应用管理中的价值探索 ..... 夏小哲, 李园园, 蒋娟, 等(695)
- 口腔诊疗诊前过氧化氢溶液漱口的目标性监测与干预效果 ..... 杨静, 王芳云, 王舒思, 等(701)
- “3 步揉搓法”在新冠隔离病区医护人员脱摘防护用品过程中的效果评价 ..... 胡正翠, 李奕, 张伟, 等(707)
- 对传染源定义的讨论和新冠病毒“物传人”理论基础的分析 ..... 李菁博, 张彤阳, 李永强, 等(743)
- 中国肺结核病的季节性特征、循环周期及长短期预测 ..... 刘超, 杜柳铭, 聂心容, 等(751)
- 上海嘉定区某医院 2018—2022 年环境中金黄色葡萄球菌的分布及其耐药性 ..... 崔虹艳, 侯文俊, 田飞飞, 等(782)

- 急性 A 型主动脉夹层术后肺炎风险预测模型构建与评价 ..... 谢茜, 严丹阳, 付翔杰, 等(788)
- 纹带棒状杆菌的特征分析及耐药基因检测 ..... 吴泉明, 吴绍莲, 李宁, 等(796)
- 西北某三甲医院连续 10 年综合 ICU 医院感染目标性监测 ..... 王惠, 张丹梅, 张志远, 等(802)
- 应用项目化管理模式提高病原学送检率 ..... 黄劲华, 陈瑶, 丁滢, 等(809)
- 多部门协作模式对提高血培养阳性率及降低抗菌药物使用强度的影响 ..... 李子焕, 范翠琼, 王恬, 等(816)
- 提高医院感染诊断相关病原学送检率的干预措施及效果评价 ..... 万艳春, 高刻, 刘艳秋, 等(822)
- 以胆道梗阻伴胆管炎为首发表现的播散性隐球菌病 1 例 ..... 许振宇, 李沛真, 许允, 等(828)
- 心脏外科瓣膜术后耐碳青霉烯类革兰阴性杆菌感染临床特征与影响因素 ..... 武元星, 任建伟, 朱光发(886)
- 两种不同血培养系统对模拟菌血症标本检测能力的比较 ..... 陈丽华, 裴奇, 周建党(894)
- 系统免疫炎症指数、C 反应蛋白/清蛋白比值评估糖尿病足溃疡病情严重程度和预后的价值 ..... 陈待庆, 郑健生, 谢可, 等(901)
- 医用防护口罩适合性与头面部尺寸关系的研究 ..... 贾会学, 姚希, 胡美华, 等(907)
- 软式内镜管道自动清洗装置对消化内镜消毒质量的影响 ..... 骆孜, 商任铎, 黄兴民, 等(913)
- 清洗刷与活检钳模拟通过内镜钳子管道对其表面粗糙度及细菌黏附性的影响 ..... 毕正琴, 张洋洋, 黄子怡, 等(919)
- 某三级综合医院多重耐药菌防控管理新模式探讨 ..... 陈美利, 景照峰, 黄合田, 等(925)
- 胸外科老年患者术后肺部多重耐药菌感染临床特征及危险因素 ..... 于佳, 黄艾弥, 李莉珊, 等(932)
- 荧光 PCR 熔解曲线法分析宜昌地区非结核分枝杆菌感染的流行特征 ..... 胡晓红, 韩宇, 庄倩, 等(939)
- 急性白血病儿童化学治疗期间脓毒症病原学特点及危险因素 ..... 高姗, 林江, 李芳芳, 等(945)
- 心胸外科重症监护病房儿童先天性心脏病术后呼吸机相关肺炎的危险因素 ..... 燕超, 王伟, 刘莉, 等(953)
- 山西省 200 所二级及以上医院医院感染专职人员人力资源配置现状调查 ..... 张晓阳, 吴秀秀, 王玉珏, 等(958)
- 基于医院临床数据中心的可疑呼吸道传染病发现与预测模型构建 ..... 陈廷寅, 冯嵩(964)
- 胃癌和结直肠癌术后器官/腔隙感染的风险因素分析与预测模型的建立 ..... 徐雅灵, 费卫珠, 高丽英, 等(1003)
- 预测胃癌 D2 根治术后感染风险列线图模型的建立与验证 ..... 马兴好, 江晓阳, 王传霞, 等(1013)
- 完全植入式输液港术后 1 周感染预测模型的构建与验证 ..... 闫鹤, 关晓楠, 张海泳, 等(1021)
- 骨与关节非结核分枝杆菌感染的回顾性研究 ..... 陈仁德, 杨恩慧, 马琼, 等(1027)
- 输尿管镜钬激光碎石术后尿路感染风险评分工具的构建及应用 ..... 杨舒, 邓娟, 陈友华, 等(1034)
- 基于血清 IL-6、TLR-2 水平构建预测隆乳术后假体周围感染列线图模型 ..... 马云鹏, 李艳, 韩朋, 等(1042)
- 313 所医疗机构十二指肠镜和线阵超声内镜微生物学监测现状 ..... 李贤煌, 张燕霞, 张勋, 等(1050)
- 14 例布鲁氏菌病性胸锁关节炎患者临床特点 ..... 皮晓雨, 王浩, 梁晨, 等(1058)
- 红串红球菌感染 1 例报告并文献复习 ..... 周鹏程, 刘纯, 容鹏飞, 等(1065)
- 妊娠期糖尿病与生殖道感染关系的 Meta 分析 ..... 黄铄, 肖霞, 陈乐陶, 等(1072)
- 上海某三级综合医院新生儿病房患者入院时细菌主动筛查分析 ..... 朱丹, 王丹, 夏敏, 等(1080)
- 应用品管圈提高手术室物体表面污染物清除率 ..... 刘厚荣, 杜志成, 郭碧淇(1086)
- 基于物联网技术的手卫生智慧云系统在新生儿科手卫生监测中的应用 ..... 刘滨, 苏雪葵, 陈浩然, 等(1093)
- 2018—2022 年某地市级儿童医院小儿肺炎患者分离苛养菌分布及耐药性 ..... 黄轲琳, 陈亮, 袁红霞, 等(1101)
- 全国细菌耐药监测网 2018—2021 年中医医院多重耐药菌监测报告 ..... 全国细菌耐药监测网(1148)

- 全国细菌耐药监测网 2021 年肿瘤科患者分离细菌耐药监测报告 …… 全国细菌耐药监测网(1159)
- 全国细菌耐药监测网 2021 年血液科患者分离细菌耐药监测报告 …… 全国细菌耐药监测网(1168)
- 全国细菌耐药监测网 2021 年风湿免疫科患者分离细菌耐药监测报告 …… 全国细菌耐药监测网(1177)
- 全国细菌耐药监测网 2021 年肾内科患者分离细菌耐药监测报告 …… 全国细菌耐药监测网(1185)
- 全国细菌耐药监测网 2021 年神经内科患者分离细菌耐药监测报告 …… 全国细菌耐药监测网(1193)
- 全国细菌耐药监测网 2021 年泌尿外科患者分离细菌耐药监测报告 …… 全国细菌耐药监测网(1202)
- 2013—2022 年耐碳青霉烯类肠杆菌目细菌检出率的变化趋势及耐药性 …… 刘洁,赵建平(1210)
- 耐碳青霉烯类肺炎克雷伯菌耐消毒剂基因检测及同源性分析 …… 刘小丽,龚林,王一梅,等(1218)
- 七味白术散对抗生素相关性腹泻小鼠肠道糖苷水解酶活性的影响 …… 吴仪,黄莉莉,谢果珍,等(1224)
- 利奈唑胺和万古霉素治疗化脓性脊柱炎的疗效、安全与经济性比较 …… 胡甜甜,吕燕妮,张秀莹,等(1232)
- 基于 16S rRNA 测序分析 CRE 定植对 ICU 患者肠道微生物的影响 …… 康佳,赵志军,贾伟(1239)
- 2022 年贵州省 186 所医疗机构医院感染横断面调查报告 …… 王颜颜,李凌竹,程敏,等(1246)
- 念珠菌血症患者病原菌分型及干预成效 …… 顾昊,李淑艳,蒋飞,等(1253)
- 重症监护病房近 13 年医院感染目标性监测分析 …… 江淑芳,张丽伟,冯诚怿,等(1282)
- 某三级儿童医院 10 年医务人员血源性职业暴露资料分析 …… 梁静,尹运冬,孙一楠,等(1291)
- 全国妇幼保健机构医院感染管理体系建设现况调查报告 …… 李硕,姚希,贾会学,等(1298)
- 某院 91 例下呼吸道铜绿假单胞菌感染患者病例分析及耐药性变化 …… 姚佳慧,齐叶青,尹红,等(1305)
- 基于 AHP- 风险矩阵构建手术后肺炎风险评估模型研究 …… 姚尧,查筑红,李家丽,等(1312)
- 早产儿口腔菌群在机械通气不同时间点的定植及影响因素 …… 李建丽,王婧铭,董艳,等(1319)
- 63 所医院 ICU 护士对呼吸机管路更换频率的认知与行为现状调查 …… 周晶,宋燕波,左祥荣,等(1325)
- 成组闭环 + AB 角色管理模式在应急重症混编隔离护理单元的应用 …… 罗紫照,袁素娥,莫丹,等(1333)
- 手卫生依从性管理系统在医院感染管理中的效果评价 …… 彭威军,赖晓全,徐敏,等(1340)
- 环境 / 定植耳念珠菌的分离鉴定及药敏分析 …… 朱娟娟,范琼,张珺琳,等(1345)
- 抗菌药物科学化管理(AMS)降低儿童医院抗菌药物使用强度的实践 …… 王思思,程晓英,黄凌斐,等(1351)
- 品管圈持续质量改进方案在提高过氧化氢等离子灭菌器灭菌质量中的应用 …… 傅蔚,刘芳,王鹏程,等(1358)
- 应用中断时间序列设计评估某三甲专科医院强化感控措施对医院感染发病率的影响 …… 赵霏,周威龙,范培杨,等(1364)
- 一对一实操培训与考评对提高床单位消毒效果的研究 …… 梁子东,杜跃红,刘思娣,等(1370)
- 湖南省细菌耐药监测网 2012—2021 年细菌耐药性监测报告 …… 郑铭,陈丽华,付陈超,等(1425)
- 湖南省细菌耐药监测网 2012—2021 年胸、腹腔积液细菌耐药性监测报告 …… 唐咏雪,王思雨,谢小兵,等(1438)
- 湖南省细菌耐药监测网 2012—2021 年铜绿假单胞菌耐药性监测报告 …… 刘健龙,宋春荣,付敏,等(1452)
- 湖南省细菌耐药监测网 2012—2021 年鲍曼不动杆菌耐药性监测报告 …… 刘思娣,陈丽华,付陈超,等(1460)
- 系统性红斑狼疮患者合并 COVID-19 后发生肺炎的危险因素 …… 刘鹏程,张敏,李建斌,等(1468)
- 匹莫齐特对金黄色葡萄球菌的体外和体内抗菌研究 …… 陈体,段瑶,张晓洁,等(1475)

- 神经外科术后颅内感染 Nomogram 模型的建立与验证 ..... 马小菊, 俞英, 卢岩, 等(1483)
- 咽拭子联合肛拭子作为 ICU 多重耐药菌入院筛查的有效性评估 ..... 江一帆, 费凯红, 邹妮, 等(1493)
- 2017—2021 年某医院老年社区获得性血流感染患者临床特征及预后影响因素 ..... 阳赣萍, 龙智勇, 李林奇, 等(1499)
- 改进清洁消毒方法对烧伤整形病房 CRE 防控及消毒效果的对比分析 ..... 杨惠英, 李晓晓, 张建设, 等(1506)
- 目标性监测与多模式促进策略对降低导尿管相关尿路感染的效果 ..... 刘沙沙, 辛雪琳, 吕维红, 等(1511)
- 新生儿重症监护病房输液连接器细菌定植情况分析及对策探讨 ..... 刘丹, 何华云, 孙秋怡, 等(1517)
- 医院感染管理专职人员专业胜任力评价体系的构建 ..... 杨洋, 赵霞, 王力红, 等(1523)

## 病例报告

- 单核细胞增生李斯特菌脑膜炎致颅内静脉窦血栓形成 1 例 ..... 吴晓平, 王冰(229)
- 粪类圆线虫合并真菌感染 1 例报告 ..... 胡亮, 滕蛟, 李光军(351)
- 宏基因组二代测序诊断兽类衣原体重症肺炎合并多器官衰竭 1 例 ..... 张鼎宏, 刘东, 安勇, 等(597)
- 内陆山区务农人员创伤弧菌感染报告 1 例 ..... 代大华, 付豹, 张玮, 等(601)
- 出芽短梗霉致肺部真菌感染 1 例并文献回顾 ..... 王丽君, 王浩, 宁美玲, 等(712)
- 放射根瘤菌致白内障术后急性眼内炎首例报告 ..... 范宁, 王媛媛, 谢立民, 等(718)
- 以头痛为首发症状的鹦鹉热衣原体肺炎 1 例并文献复习 ..... 刘贤俊, 杜兴梅, 文茂婉, 等(721)
- 产气荚膜梭菌感染引起肝脓肿和严重溶血性贫血 1 例及文献复习 ..... 胡娟娟, 郑瑶, 肖文艳, 等(839)
- 微小脲原体致早产儿脑膜炎两例 ..... 刘云, 程锐, 郭艳, 等(845)
- 猫立克次体病 1 例报道 ..... 高胜寒, 李涛, 付延鑫, 等(849)

## 耳炎苏黎士菌脓毒症抗感染治疗 1 例

- ..... 郭珮, 石雪萍, 徐兴星, 等(972)
- 胰腺结核 2 例并文献复习 ..... 张仕勇, 聂佳, 杨洁, 等(975)
- MALDI-TOF-MS 鉴定成人颅内感染人型支原体 1 例 ..... 李艳梅, 谭积善, 唐璐, 等(978)
- 脑脊液 mNGS 协助诊断新型布尼亚病毒脑炎 1 例 ..... 刘久江, 石颖, 郑瑞强(1107)
- 多西环素治疗急性 Q 热失败 1 例 ..... 钟添长, 李柯莹, 李家春(1110)
- 艾滋病合并惠普尔病障体与耶氏肺孢子菌混合感染 1 例 ..... 吴登峰, 黄虎翔(1377)
- 海分枝杆菌感染误诊为坏疽性脓皮病报告 1 例 ..... 廖钟敏, 马春光, 韩建德, 等(1381)
- 湖南省首例儿童 X 群流行性脑脊髓膜炎病例报告及文献复习 ..... 姚婷新, 刘芙蓉, 肖耿吉, 等(1530)

## 译文

- 世界卫生组织人类健康中抗微生物药物耐药性的全球优先研究议题 ..... 刘婷, 肖园园, 吴安华(995)

## 综述

- 营养素与植物提取物在艰难梭菌感染控制中的研究进展 ..... 牛肖然, 杨靖, 赵建宏(117)
- 纹带棒状杆菌感染研究进展 ..... 余红雨, 杨培勇, 廖国豪, 等(123)
- 人类布鲁氏菌病流行病学研究进展 ..... 张晶, 王占黎, 李星男, 等(239)
- 金黄色葡萄球菌生物被膜耐药机制研究进展 ..... 曾建业, 陈丹丹, 王侯祺, 等(244)
- 真菌性关节炎的临床特征及诊疗现状 ..... 安鹏名, 孟东浩, 孟增东(355)
- 唾液富组蛋白 5——治疗白念珠菌感染的一种新策略 ..... 王泽洪, 肖家凤, 徐梓倍, 等(362)
- 达芬奇机器人手术器械清洗消毒灭菌研究现状及展望 ..... 田红, 杨梓含, 李颖, 等(484)
- 英国医疗建筑感染控制原则与过程 ..... 解皓, 刘抚英, 李洋, 等(489)
- 紫外线照射去除管道内空气微生物的原理和影响因素研究进展 ..... 刘莹, 葛艳辉, 李艳菊(604)

## 人腺病毒致病机制研究进展

郑锐林,吴乾龙,陈丹阳,等(612)

## 噬菌体在医院感染防控中的研究进展

林佳冰,高晓东,胡必杰(724)

## 金黄色葡萄球菌感染中 IL-17 的分子机制研究进展

崔岩,王天明,付琦,等(731)

抗 IFN- $\gamma$  自身抗体相关非结核分枝杆菌感染研究进展

杨亚敏,李庭红(738)

## 感染性疾病抢先预防研究进展

李祥,宁永忠(853)

## 金黄色葡萄球菌去定植在预防骨与关节手术感染的作用分析

杜欣瑞,王俊瑞,周迪,等(856)

## 结核病传播动力学模型研究进展

毛俊杰,鲁佳旺,庄勋,等(864)

## 肺炎克雷伯菌、类肺炎克雷伯菌和变栖克雷伯菌的研究进展

朱显蓉,刘荣华(983)

## 虚拟仿真技术在医院感染预防与控制教学中应用的研究进展

刘芳,茅一萍,祁琪,等(990)

## 新型冠状病毒感染后综合征的研究进展

张允旭,鞠萍,刘琪,等(1114)

水解碳青霉烯类 OXA 型  $\beta$ -内酰胺酶的研究进展

姜雪琪,李娟(1121)

NF- $\kappa$ B (p50/p65)介导的促炎微小 RNA 信号转导在金黄色葡萄球菌感染中的作用

王天明,车莹,崔岩,等(1260)

## 抗菌肽联合传统抗菌药物对抗细菌耐药性研究进展

吕银凤,薛萌,黄欣月,等(1266)

## 过氧化氢气体灭菌生物监测失败原因及应对策略

蔡婷婷,赵锡丽,李静,等(1384)

## TMAO 与“肾-肠轴”的关系研究进展

谢诗琴,邓娜,谭周进(1391)

## 血小板相关指标评估脓毒症患者预后的研究进展

陈璐璐,畅智慧(1534)

## 葛根芩连汤的应用及其对肠道屏障影响的研究

伍冲梅,谢果珍,郑淘,等(1540)

## 标准·规范·指南

人偏肺病毒感染诊疗方案(2023 年版) ····· (869)

医院感染监测标准 WS/T 312—2023

····· (1129)

碳青霉烯类耐药肠杆菌预防与控制标准 WS/T

826—2023 ····· (1274)

医院隔离技术标准 WS/T 311—2023 ··· (1398)

## 信息

2023 年第 22 卷目次 ····· (I)

# CONTENTS OF VOLUME 22(2023)

## Expert Consensus

Chinese expert consensus on terminal disinfection and effect evaluation of medical institutions for patients infected with SARS-CoV-2

GAO Xiao-dong, BAN Hai-qun, CHEN Wen-sen, et al ..... (233)

Guideline on influenza vaccination for staff in Chinese medical institutions

HUANG Xun, FENG Lu-zhao, DU Xiao-xing, et al ..... (871)

Chinese expert consensus on diagnosis and treatment strategies for SARS-CoV-2 infection in immunocompromised populations (2023 edition-2)

JU Chun-rong, WANG Mei-ying, YUAN Jing, et al ..... (1411)

## Expert Forum

Clinical practice guideline for the diagnosis, treatment and prevention of hepatitis C virus infection in patients with chronic kidney disease (2023)

*Expert group on the diagnosis, treatment and prevention of hepatitis C virus infection in patients with chronic kidney disease* ..... (369)

Strategies for preventing transmission of seasonal respiratory viral infections in healthcare settings

SONG Xiao-yan ..... (999)

Strategies for managing antimicrobial usage in Chinese children

YE Qing, FENG Jia-jia, KONG Wei-hua, et al ..... (1143)

The prevention, diagnosis and treatment of pressure ulcer complicated infection

XIE Chan, CHEN Xi-yao ..... (1279)

## Original Article

Clinical characteristics of adenovirus healthcare-associated infection in children from 2011 to 2020

ZHANG Li-li, DENG Liu-ji, SHI Li-juan, et al ..... (1)

Relationship between capreomycin resistance and related gene mutations in *Mycobacterium tuberculosis* in Guizhou from 2017 to 2020

LI Qiu-yang, ZENG Qiang-lin, CHEN Xiao-jv, et al ..... (7)

Genomic characteristics of carbapenem-resistant *Klebsiella pneumoniae* from different specimen sources based on PATRIC public database

ZHANG Na, MENG Biao, JIN Mei-ling, et al ..... (14)

Exploring the pathogenesis of tuberculous ulcer based on gene sequencing and GEO data mining

GAO Bei-bei, HUANG Zi-hui, CHEN Si-qi, et al ..... (23)

Antimicrobial resistance, clinical infection characteristics and *mcr* genes of carbapenem-resistant *Enterobacteriales*

XIAO Xiao, HANG Xiu-bing, WANG Meng, et al ..... (31)

Clinical characteristics of patients with *Klebsiella variicola* infection

ZHONG Yi-ming, LUO Xin-ji, LI Yan-ming, et al ..... (38)

Disease burden and epidemic characteristics of pathogens causing acute respiratory infection in children in Guangzhou City, 2017–2022

LI Jing-jing, HUANG Jian-ying, LIU Miao-ling, et al ..... (44)

Clinical characteristics and influencing factors for prognosis of patients with pyogenic liver abscess under different immune status

YANG Hui-an, YUAN Jin-jin, YU Xiao-ling, et al ..... (52)

Performance assessment of three metagenomic next-generation sequencing platforms

YANG Han, GUO Qiao-mei, WANG Xue-qing, et al ..... (59)

Pathogens and antimicrobial resistance in blood culture of elderly inpatients from 2018 to 2021

JIANG Xue-jin, LYU Min, SUN Ji-hua, et al ..... (68)

Effect of imipenem combined with fosfomycin on multidrug-resistant *Acinetobacter baumannii*

WANG Ya-ping, GUO Pu, WANG Hua-xue, et al ..... (74)

Comparison of process and outcome data of healthcare-associated infection monitoring platforms in 12 medical institutions in Guizhou Province in 2019

WANG Yan-yan, CHA Zhu-hong, LIN Dan, et al ..... (80)

Environmental contamination by SARS-CoV-2 Omicron variant in a designated COVID-19 treatment hospital

WANG Mei-xia, SHI Qing-feng, LI Na, et al ..... (89)

Medical staff's subjective feelings and fit test results of different brands of medical protective masks

JIA Hui-xue, YAO Xi, QIAN Jing-jing, et al ..... (96)

Effect evaluation on the prevention of multidrug-resistant organism healthcare-associated infection outbreak in intensive care unit based on HFMEA

WU Yan, CHEN Wan, XIE Yong-lan, et al ..... (102)

- Application of qualitative fit test for medical protective masks in clinical medical staff  
WANG Meng-meng, SHA Li, LIU Yan, et al ..... (110)
- Construction and evaluation of a machine-learning-based model for predicting healthcare-associated infection in patients with acute ischemic stroke  
LIU Jian-mo, LUO Hao-wen, YU Peng-fei, et al ..... (129)
- Construction and validation of the prediction model for the bloodstream infection caused by third-generation cephalosporin-resistant *Escherichia coli*  
LIU Chun-lin, CHEN Ping, DU Yan-jiao, et al ..... (136)
- Predictive value of routine testing data mining for acute ischemic stroke complicated with stroke-associated pneumonia  
ZENG Rui-huang, CHEN Zhi-xi, WANG Xiao-lin, et al ..... (142)
- Construction and validation of a risk prediction model for the infection after transcatheter arterial chemoembolization in patients with liver cancer  
LI Hai-lan, ZHAI Hui-min, YANG Hui-jie, et al ..... (150)
- Construction and validation of risk prediction model for umbilical vein catheterization bloodstream infection in neonates in neonatal intensive care unit  
MIAO Yi-qun, LIU Wen-wen, ZHAO Shu-liang, et al ..... (159)
- Influence of peri-operative blood glucose control level on surgical site infection and pathogen distribution in patients with diabetes undergoing bone and joint replacement  
HE Hong-ying, WANG Qiong, SONG Jiang-run, et al ..... (167)
- Epidemiological investigation on clustered surgical site infection after arthroscopic surgery  
YANG Jian-shui, MIN Qin-fen ..... (175)
- Meta-analysis on risk factors for post-operative surgical site infection in patients with gastric cancer  
ZHOU Xing-xing, LIU Shan-shan, ZHOU Xiao-min, et al ..... (181)
- Influencing factors for surgical site infection based on propensity score matching: a real-world study  
HE Zi-qiang, YUAN Shui-bin, WANG Xun-song, et al ..... (189)
- Effect of doctor-nurse integrated infection control management on prevention and control of infection in ophthalmic surgery  
WAN Xing, HE Yu-hong, WU Lei ..... (195)
- Value of National Early Warning Score 2 combined with blood lactic acid in predicting short-term prognosis of patients with severe community-acquired pneumonia  
YANG Hui-an, YU Xiao-ling, HUANG Shui-wen, et al ..... (200)
- Clinical characteristics and risk factors of *Staphylococcus aureus* bloodstream infection in hospitalized children  
SHI Jun, WANG Hong-mei, DENG Ji-kui ... (208)
- Application of mercury sphygmomanometers and thermometers and their substitutes in 212 medical institutions in Shaanxi Province from 2017 to 2020  
GUO Zi-wei, SHENG Yun, WANG Hao, et al ..... (217)
- Bioinformatics analysis of ORF3a protein of SARS-CoV-2  
WANG Xuan, LI Xiang-fang, DING Shou-peng, et al ..... (224)
- Prevention and control of *Candida auris* infection in patients in intensive care unit  
WANG Jun, MA Ya-lin, ZHANG De-long, et al ..... (249)
- Adult invasive mucormycosis caused by *Cunninghamella bertholletiae*: one case report and literature review  
FU Lei, SHEN Lei, BIAN Jian-jun, et al ... (254)
- Bloodstream infection caused by *Trichoderma koningiopsis*: one case report and literature review  
SONG Jin-xiao, LI Su-yan, LI Ning ..... (262)
- Effect of three surfactants on the permeability of *Staphylococcus epidermidis* biofilm and the expression of key biofilm-forming gene agr  
SHI Jing-jin, FANG Yi-wen, GUAN Yan ..... (267)
- Genotyping and antimicrobial susceptibility of 44 *Mycobacterium avium* strains from persons with HIV/MAV double infection  
LI Xiang-fang, DING Shou-peng, GAO Jing-hua, et al ..... (275)
- Mutation characterization of isoniazid resistance genes of *Mycobacterium tuberculosis* in Guangxi region  
QIN Yi-xiang, LAN Ru-shu, QIN Hui-fang, et al ..... (280)
- In vitro* combined antimicrobial susceptibility test of 11 combined regimens against carbapenem-resistant Enterobacteriales  
LU Guo-ping, TANG Hao, XIA Zhao-xin, et al ..... (287)
- Triaging patients in the outbreak of COVID-2019  
HUANG Guo-qing, ZENG Wei-qian, WANG Wen-bo, et al ..... (295)
- Disinfection efficacy of high-intensity ultraviolet disinfection robot on multidrug-resistant organisms  
HAN Meng-ge, SHI Qing-feng, GAO Xiao-dong, et al ..... (304)
- Clinical manifestations and epidemiological characteristics of patients with intestinal taeniasis from 2012 to 2022  
LI Xiao-li, LI Shao-gang, WU Zhao-yong ..... (309)
- Correlation between intestinal fatty acid-binding protein and bacterial infection as well as poor prognosis in patients with liver cirrhosis  
HAN Cai-jun, WU Zheng-xie, HUANG Yuan, et al ..... (315)

- A 1:1 matched case-control study on the direct economic loss due to surgical site infection in hepatic echinococcosis  
ZHAO Yong-ling, WANG Kai, WANG Mei-ying, et al ..... (322)
- Observation on the sealing effect of pre-filled catheter irrigator on central venous catheter  
ZHU Xi-ying, LIU Jin-feng, NIU Hong-yan, et al ..... (328)
- Intervention effect of pathogen detection of inpatients before antimicrobial treatment  
ZHOU Ning, ZHANG Xiao-xia, LU Lu ..... (334)
- Practice and effect of competency-oriented on-the-job training for infection prevention and control full-time staff in basic-level hospitals  
HOU Yu-juan, LI Yun-hong, CHEN Ting, et al ..... (339)
- Survey of occupational exposure to acupuncture needles among health care workers in a tertiary first-class traditional Chinese medicine hospital  
LI Fei-yan, HUANG Ping ..... (346)
- Engeletin suppresses inflammatory response and oxidative stress of macrophage through interfering the NF-κB signaling pathway  
LI Shan, ZHOU Zhi-wen, LIU Xiang-hua, et al ..... (383)
- Correlation among CYP2R1 gene polymorphisms, vitamin D level and susceptibility to pulmonary tuberculosis  
HUANG Qiu-li, CAO Xue-ping, WANG Yu-qing, et al ..... (391)
- Clinical value of procalcitonin/albumin combined with C-reactive protein/albumin in predicting necrotizing pneumonia due to *Streptococcus pneumoniae* infection in children  
WU Shou-ye, LIN Dao-jiong, WANG Ya-zhou ..... (398)
- Antimicrobial resistance and homology of the multidrug-resistant organisms isolated from patients and environment of the intensive care unit in a general hospital  
XU Bo-ying, LI Xian, CAI Hua, et al ..... (404)
- Clinical distribution and antimicrobial resistance changes of imipenem-resistant *Pseudomonas aeruginosa* in a hospital in 5 consecutive years  
FENG Jiang-tao, ZHAO Jian-ping, YANG Guo-an, et al ..... (411)
- Clinical distribution characteristics and genotypes of *Staphylococcus aureus* in pediatric patients  
FANG Rui-ying, HUANG Li-li, ZHANG Ya-ping, et al ..... (418)
- Effect of different enteral nutrition pathways on ventilator-associated pneumonia in ICU patients undergoing mechanical ventilation: a network Meta-analysis  
HE Jing-yi, WANG Fang, LIANG Qian, et al ..... (424)
- Effect of bundled care on reducing the incidence of pulmonary infection in patients with acute leukemia receiving chemotherapy  
YANG Shu-huan, YANG Gui-fang, TIAN Gui-rong, et al ..... (435)
- Prediction models for multidrug-resistant organism infection in patients in the intensive care unit: a systematic review  
SANG Yu-huan, YAN Zhong-ting, YUAN Yuan, et al ..... (442)
- Primary drug resistance in HIV-1 infected individuals in Hunan Province  
CAO Xu-jian, CAO Jing, QI Hui, et al ..... (451)
- Characteristics and influencing factors of healthcare-associated infection after enterostomy in neonates  
WEI Yan-ni, LIAO Dan, OU Zuo-qiang, et al ..... (457)
- Epidemiological characteristics and species identification of isolated strains of human brucellosis in Chenzhou City in 2021  
XIE Qun, HU Lin, YUAN Hong-xia, et al ... (463)
- Contamination on mask and ward environment of SARS-CoV-2 infection re-positive persons  
LIN Jia-bing, SHI Qing-feng, SUN Wei, et al ..... (468)
- Establishment of an emergency system for the prevention and control of healthcare-associated infection of respiratory infectious diseases in general hospitals  
ZHAO Xia, ZHAO Guo-guang, LI Jia, et al ..... (473)
- Effect of PDCA on preventing and controlling multidrug-resistant organism infection in hospitalized patients  
WEI De-jie, WANG Feng-yan, LI Ai-zhen, et al ..... (478)
- Detection of disinfectant-resistant genes and minimum inhibitory concentrations of four disinfectants in carbapenem-resistant Enterobacteriales  
LIU Zhi-wu, ZHANG Tian-tian, HUANG Xi-feng, et al ..... (497)
- Survey on air purification methods applied in different types of hospitals  
JIA Hui-xue, YAO Xi, LU Qun, et al ..... (504)
- Management status of hydrogen peroxide low temperature plasma sterilization in 170 hospitals in Henan Province  
DING Li-na, YAO Zhuo-ya, LI Man-chun, et al ..... (512)
- Low-temperature disinfection effect and safety of compound peroxide disinfectant  
CAI Hui-ling, WU Qi-peng, LI Jia-qi, et al ..... (522)
- Application of next-generation metagenomic sequencing in the etiological diagnosis of bone and joint infection  
LING Yong, HU Xue-jiao, ZHAO Yue, et al ..... (527)

Current management status of pathogen examination rate before antimicrobial treatment for hospitalized patients in tertiary hospitals CHEN Xiao-xu, LI Song-qin, LIU Juan, et al .....	(532)	Distribution and antimicrobial resistance of pathogens from urine specimens in Gansu Province in 2021 WANG Wen-jie, JING Yu-jie, CUI Ya-li, et al .....	(637)
Characteristics of infection pathogens and risk of death after kidney transplantation XIAN Ying, DUAN Zhi-qin, LI Heng, et al .....	(539)	Distribution and antimicrobial resistance of pathogens from intensive care units in Gansu Province from 2019 to 2022 LU Zhang-ping, ZHANG Hong-wei, GENG Fang-min, et al .....	(646)
Comparison of recombinant <i>Mycobacterium tuberculosis</i> fusion protein skin test and tuberculin skin test for screening latent tuberculosis infection in school students SU Qian, WANG Qing-ya, ZHANG Ting, et al .....	(547)	Clinical distribution and antimicrobial resistance of <i>Listeria monocytogenes</i> in Hebei Province from 2013 to 2022 QIN Pu, ZHAO Han-lin, CUI Si-yao, et al .....	(655)
Prevalence of high-risk sexual behavior among HIV-infected individuals in China from 2017–2022: a Meta analysis SU Xin-yi, XIAO Xue-ling, LI Yi-xuan, et al .....	(552)	Quality of life and its affecting factors of low-level viremia HIV-1 patients in Hunan Province ZHANG Wang-jun, WEI Xiu-qing, ZHOU Zhen-hong, et al .....	(660)
Survey on health care workers' awareness of tuberculosis in medical institutions in Gansu Province FAN Jin-ping, HU Feng-jing, ZHANG Hao-jun, et al .....	(563)	Comparison between severe purulent meningitis and moderate purulent meningitis in neonates ZHU Wen, ZOU Yun-su, CAO Zhao-lan, et al .....	(667)
Investigation and control on a suspected outbreak of carbapenem-resistant <i>Klebsiella pneumoniae</i> infection in the neurological intensive care unit HAN Ying, LAI Xiao-quan, XU Min, et al .....	(569)	Clinical characteristics of acquired immunodeficiency syndrome complicated with <i>Talaromyces marneffei</i> infection of central nervous system LU Huan, LI Yan-jun, QIN Ying-mei, et al .....	(674)
Clinical characteristics of 15 patients with pulmonary nocardiosis JIN Wen-fang, YAO Yu, XU Fei, et al ..... (574)		Clinical significance of CT-guided percutaneous lung biopsy in the diagnosis of pulmonary infectious diseases CHEN Gui-rong, XIA Feng-ming, QIN Zhi-jiang, et al .....	(680)
Suspected secondary infection in nucleic acid sampling location and the evaluation of sampling strategy in the local SARS-CoV-2 infection outbreak in a City of Jiangsu Province ZHANG Nan, SHEN Ya, JIN Guang-jie, et al .....	(581)	Clinical characteristics of 43 cases of <i>Chlamydia psittaci</i> pneumonia XU Rong-rong, ZHANG Qiang, HAN Shu-hua, et al .....	(688)
Practical research on precision epidemiological investigation on COVID-19 epidemic situation in medical institutions GUO Lin-wen, HUANG Wen-zhi, LI Jing-wen, et al .....	(586)	The value of precise diagnosis and treatment system for pulmonary and critical care medicine in the management of antimicrobial use XIA Xiao-zhe, LI Yuan-yuan, JIANG Juan, et al .....	(695)
Efficacy of “one before and five after” hand hygiene intervention among cleaning staff in medical institutions LI Yan, HE Wen-bin, FENG Bi-long, et al .....	(591)	Targeted monitoring and intervention effect of hydrogen peroxide solution gargling before oral diagnosis and treatment YANG Jing, WANG Fang-yun, WANG Shu-si, et al .....	(701)
Bioinformatics analysis and prokaryotic expression of the protein Rv3529c of <i>Mycobacterium tuberculosis</i> CHEN Rui-feng, WANG Xuan, MA Feng-xi, et al .....	(621)	Effect of “3-step rubbing method” adopted by health care workers during the process of removing protective equipment in COVID-19 isolation ward HU Zheng-cui, LI Yi, ZHANG Wei, et al ..... (707)	
Drug resistance of <i>Mycobacterium tuberculosis</i> in five monitoring sites of Henan Province, 2013–2018 WANG Shao-hua, CHEN Rui-qin, CHANG Wen-jing, et al .....	(629)	The definitions about infection sources and the theoretical basis of “object-to-human transmission” for SARS-CoV-2 LI Jing-bo, ZHANG Tong-yang, LI Yong-qiang, et al .....	(743)

- Seasonal characteristics, cycles, as well as long- and short-term predictions of pulmonary tuberculosis in China  
**LIU Chao, DU Liu-ming, NIE Xin-rong, et al**  
..... (751)
- Distribution and antimicrobial resistance of *Staphylococcus aureus* from the environment of a hospital in Jiading District, Shanghai, 2018–2022  
**CHEN Pei-chao, HUANG Qiang, MAO Yu-hua, et al**  
..... (758)
- Virulence factors related to the recurrence of urinary tract infection of extended-spectrum  $\beta$ -lactamase-producing *Escherichia coli*  
**WANG Xiao-bo, XIA Hong, WEN Xiang, et al**  
..... (765)
- Prevalence of cryptococcal meningitis in AIDS patients in China: a Meta-analysis  
**ZHANG Ying, ZHANG Fa-zhen, LU Yan-qiu, et al**  
..... (775)
- Epidemiological characteristics of pulmonary tuberculosis epidemic in schools in Daxing District, Beijing, 2016–2021  
**CUI Hong-yan, HOU Wen-jun, TIAN Fei-fei, et al**  
..... (782)
- Construction and assessment of a risk predictive model for postoperative pneumonia in patients with acute type A aortic dissection  
**XIE Xi, YAN Dan-yang, FU Xiang-jie, et al**  
..... (788)
- Characteristics and antimicrobial resistance gene detection of *Corynebacterium striatum*  
**WU Quan-ming, WU Shao-lian, LI Ning, et al**  
..... (796)
- Targeted monitoring on healthcare-associated infection in the general intensive care unit of a tertiary first-class hospital in northwest China for 10 consecutive years  
**WANG Hui, ZHANG Dan-mei, ZHANG Zhi-yuan, et al**  
..... (802)
- Improving the pathogen detection rate through project-based management mode  
**HUANG Jin-hua, CHEN Yao, DING Ying, et al**  
..... (809)
- Impact of multi-department collaboration mode on improving the positive rate of blood culture and reducing the intensity of antimicrobial use  
**LI Zi-huan, FAN Cui-qiong, WANG Tian, et al**  
..... (816)
- Intervention measures and effectiveness evaluation to improve pathogenic detection rate related to healthcare-associated infection diagnosis  
**WAN Yan-chun, GAO Ke, LIU Yan-qiu, et al**  
..... (822)
- One case of disseminated cryptococcosis initially characterized by obstruction of biliary tract and cholangitis  
**XU Zhen-yu, LI Pei-zhen, XU Yun, et al** ..... (828)
- Clinical characteristics and influencing factors of carbapenem-resistant Gram-negative bacilli infection after cardiac valve surgery  
**WU Yuan-xing, REN Jian-wei, ZHU Guang-fa**  
..... (886)
- Comparison of detection performance of two blood culture systems for simulated bacteremia specimens  
**CHEN Li-hua, PEI Qi, ZHOU Jian-dang**  
..... (894)
- Value of systemic immune-inflammation index and C-reactive protein/albumin ratio in evaluating severity and prognosis of diabetic foot ulcer  
**CHEN Dai-qing, ZHENG Jian-sheng, XIE Ke, et al**  
..... (901)
- Relationship between the fitness of medical protective mask and facial dimension  
**JIA Hui-xue, YAO Xi, HU Mei-hua, et al**  
..... (907)
- Effect of flexible endoscope channel automated brushing system on disinfection quality of digestive endoscope  
**LUO Zi, SHANG Ren-duo, HUANG Xing-min, et al**  
..... (913)
- Impact of cleaning brush and biopsy forceps on the surface roughness and bacterial adhesion of forceps channel in simulation  
**BI Zheng-qin, ZHANG Yang-yang, HUANG Zi-yi, et al**  
..... (919)
- A new management mode for the prevention and control of multidrugresistant organisms in a tertiary hospital  
**CHEN Mei-li, JING Zhao-feng, HUANG He-tian, et al**  
..... (925)
- Clinical features and risk factors of postoperative pulmonary multidrug-resistant organism infections in elderly patients undergoing cardiothoracic surgery  
**YU Jia, HUANG Ai-mi, LI Li-shan, et al** ... (932)
- Epidemic characteristics of non-tuberculous mycobacterial infection in Yichang area by fluorescence polymerase chain reaction melting curve method  
**HU Xiao-hong, HAN Yu, ZHUANG Qian, et al**  
..... (939)
- Pathogenic characteristics and risk factors of sepsis in children with acute leukemia during chemotherapy  
**GAO Shan, LIN Jiang, LI Fang-fang, et al**  
..... (945)
- Risk factors for postoperative ventilator-associated pneumonia in children with congenital heart disease in cardiothoracic surgical intensive care unit  
**YAN Chao, WANG Wei, LIU Li, et al** ..... (953)

- Current situation of human resource allocation among healthcare-associated infection professionals in 200 secondary or above hospitals in Shanxi Province  
*ZHANG Xiao-yang, WU Xiu-xiu, WANG Yu-jue, et al* ..... (958)
- Construction of a detection and prediction model for suspected respiratory infectious diseases based on hospital clinical data center  
*CHEN Ting-yin, FENG Song* ..... (964)
- Analysis of risk factors and construction of prediction models for organ/space surgical site infection in gastric and colorectal cancer  
*XU Ya-ling, FEI Wei-zhu, GAO Li-ying, et al* ..... (1003)
- Construction and validation of a nomogram model for predicting the risk of infection after D2 radical resection of gastric cancer  
*MA Xing-hao, JIANG Xiao-yang, WANG Chuan-xia, et al* ..... (1013)
- Construction and validation of a prediction model for post-operative infection within one week of totally implantable venous access port surgery  
*YAN He, GUAN Xiao-nan, ZHANG Hai-yong, et al* ..... (1021)
- A retrospective study on non-tuberculous *Mycobacterium* infections in bone and joints  
*CHEN Ren-de, YANG En-hui, MA Qiong, et al* ..... (1027)
- Construction and application of a risk scoring tool for urinary tract infection after ureteroscopic holmium laser lithotripsy  
*YANG Shu, DENG Juan, CHEN You-hua, et al* ..... (1034)
- Construction of a nomogram model for predicting the risk of peri-prosthetic infection after mammoplasty based on serum IL-6 and TLR-2 levels  
*MA Yun-peng, LI Yan, HAN Peng, et al* ..... (1042)
- Microbiological monitoring status of duodenoscopes and linear array ultrasound endoscopes in 313 medical institutions  
*LI Xian-huang, ZHANG Yan-xia, ZHANG Xun, et al* ..... (1050)
- Clinical characteristics of 14 patients with brucellosis sternoclavicular arthritis  
*PI Xiao-yu, WANG Hao, LIANG Chen, et al* ..... (1058)
- Rhodococcus erythropolis* infection: one cases report and literature review  
*ZHOU Peng-cheng, LIU Chun, RONG Peng-fei, et al* ..... (1065)
- Relationship between gestational diabetes mellitus and reproductive tract infection: a Meta-analysis  
*HUANG Shuo, XIAO Xia, CHEN Le-tao, et al* ..... (1072)
- Active bacterial screening among patients during admission to the neonatal ward of a tertiary hospital in Shanghai  
*ZHU Dan, WANG Dan, XIA Min, et al* ..... (1080)
- Application of quality control circle to improve the removal rate of contaminants on object surface in operating room  
*LIU Hou-rong, DU Zhi-cheng, GUO Bi-qi* ..... (1086)
- Application of IoT technology-based hand hygiene smart cloud system in hand hygiene monitoring in neonatal department  
*LIU Bin, SU Xue-kui, CHEN Hao-ran, et al* ..... (1093)
- Distribution and antimicrobial resistance of fastidious bacteria isolated from children with pneumonia in a city-level children's hospital from 2018 to 2022  
*HUANG Ke-lin, CHEN Liang, YUAN Hong-xia, et al* ..... (1101)
- Multidrug-resistant organisms in traditional Chinese medicine hospitals: surveillance report from China Antimicrobial Resistance Surveillance System, 2018–2021  
*China Antimicrobial Resistance Surveillance System* ..... (1148)
- Antimicrobial resistance of bacteria isolated from patients in department of oncology: surveillance report from China Antimicrobial Resistance Surveillance System, 2021  
*China Antimicrobial Resistance Surveillance System* ..... (1159)
- Antimicrobial resistance of bacteria isolated from patients in department of hematology: surveillance report from China Antimicrobial Resistance Surveillance System, 2021  
*China Antimicrobial Resistance Surveillance System* ..... (1168)
- Antimicrobial resistance of bacteria isolated from patients in department of rheumatology and immunology: surveillance report from China Antimicrobial Resistance Surveillance System, 2021  
*China Antimicrobial Resistance Surveillance System* ..... (1177)
- Antimicrobial resistance of bacteria isolated from patients in department of nephrology: surveillance report from China Antimicrobial Resistance Surveillance System, 2021  
*China Antimicrobial Resistance Surveillance System* ..... (1185)
- Antimicrobial resistance of bacteria isolated from patients in department of neurology: surveillance report from China Antimicrobial Resistance Surveillance System, 2021  
*China Antimicrobial Resistance Surveillance System* ..... (1193)
- Antimicrobial resistance of bacteria isolated from patients in department of urology: surveillance report from China Antimicrobial Resistance Surveillance System, 2021  
*China Antimicrobial Resistance Surveillance System* ..... (1202)

- Trends in the detection rate and antimicrobial resistance of carbapenem-resistant Enterobacterales, 2013–2022  
**LIU Jie, ZHAO Jian-ping** ..... (1210)
- Detection and homology analysis of disinfectant resistance genes in carbapenem-resistant *Klebsiella pneumoniae*  
**LIU Xiao-li, GONG Lin, WANG Yi-mei, et al** ..... (1218)
- Effect of Qiwei Baizhu Powder on intestinal glycoside hydrolase activity in mice with antibiotic-associated diarrhea  
**WU Yi, HUANG Li-li, XIE Guo-zhen, et al** ..... (1224)
- Comparison between linezolid and vancomycin treatment of purulent spondylitis in effectiveness, safety and economy  
**XU Tian-tian, LYU Yan-ni, ZHANG Xiu-ying, et al** ..... (1232)
- Impact of CRE colonization on gut microbes in ICU patients based on 16S rRNA sequencing  
**KANG Jia, ZHAO Zhi-jun, JIA Wei** ..... (1239)
- Cross-sectional survey on healthcare-associated infection in 186 medical institutions in Guizhou Province in 2022  
**WANG Yan-yan, LI Ling-zhu, CHENG Min, et al** ..... (1246)
- Typing of pathogens and intervention efficacy of candidemia in patients  
**GU Hao, LI Shu-yan, JIANG Fei, et al** ..... (1253)
- Targeted monitoring of healthcare-associated infection in intensive care unit in the past 13 years  
**JIANG Shu-fang, ZHANG Li-wei, FENG Cheng-yi, et al** ..... (1282)
- Ten-year blood-borne occupational exposure among health care workers in a tertiary children's hospital  
**LIANG Jing, YIN Yun-dong, SUN Yi-nan, et al** ..... (1291)
- A nationwide investigation report on the current situation of construction of healthcare-associated infection management system in maternal and child health care institutions  
**LI Shuo, YAO Xi, JIA Hui-xue, et al** ..... (1298)
- Analysis of 91 cases infected with *Pseudomonas aeruginosa* at lower respiratory tract in a hospital and changes in antimicrobial resistance  
**YAO Jia-hui, QI Ye-qing, YIN Hong, et al** ..... (1305)
- Risk assessment system of postoperative pneumonia based on AHP and risk matrix  
**YAO Yao, ZHA Zhu-hong, LI Jia-li, et al** ..... (1312)
- Colonization and influencing factors of oral microbiota in premature infants at different time points of mechanical ventilation  
**LI Jian-li, WANG Jing-ming, DONG Yan, et al** ..... (1319)
- Nurses' cognition and behaviour on the replacement frequency of ventilator circuit in intensive care units in 63 hospitals  
**ZHOU Jing, SONG Yan-bo, ZUO Xiang-rong, et al** ..... (1325)
- Application of group closed-loop nursing + AB role management mode in emergency intensive care unit  
**LUO Zi-zhao, YUAN Su-e, MO Dan, et al** ..... (1333)
- Effectiveness of hand hygiene compliance management system in management of healthcare-associated infection  
**PENG Wei-jun, LAI Xiao-quan, XU Min, et al** ..... (1340)
- Isolation, identification and antimicrobial susceptibility of environmental/colonized *Candida auris*  
**ZHU Juan-juan, FAN Qiong, ZHANG Jun-lin, et al** ..... (1345)
- Antimicrobial stewardship to reduce antimicrobial use density in a children's hospital  
**WANG Si-si, CHENG Xiao-ying, HUANG Lin-fei, et al** ..... (1351)
- Application of quality control circle-based continuous quality improvement scheme in improving the sterilization quality of hydrogen peroxide plasma sterilizers  
**FU Wei, LIU Fang, WANG Peng-cheng, et al** ..... (1358)
- Effect of enhanced infection prevention and control measures on incidence of healthcare-associated infection in a tertiary first-class specialty hospital: an interrupted time-series analysis  
**ZHAO Fei, ZHOU Wei-long, FAN Pei-yang, et al** ..... (1364)
- Effect of one-to-one practical training and assessment on improving the disinfection efficacy of bed units  
**LIANG Zi-dong, DU Yue-hong, LIU Si-di, et al** ..... (1370)
- Antimicrobial resistance of bacteria: surveillance report from Hunan Provincial Antimicrobial Resistance Surveillance System, 2012–2021  
**ZHENG Ming, CHEN Li-hua, FU Chen-chao, et al** ..... (1425)
- Antimicrobial resistance of bacteria from pleural and peritoneal effusion: surveillance report from Hunan Provincial Antimicrobial Resistance System, 2012–2021  
**TANG Yong-xue, WANG Si-yu, XIE Xiao-bing, et al** ..... (1438)
- Antimicrobial resistance of *Pseudomonas aeruginosa*: surveillance report from Hunan Provincial Antimicrobial Resistance Surveillance System, 2012–2021  
**LIU Jian-long, SONG Chun-rong, FU Min, et al** ..... (1452)
- Antimicrobial resistance of *Acinetobacter baumannii*: surveillance report from Hunan Provincial Antimicrobial Resistance System, 2012–2021  
**LIU Si-di, CHEN Li-hua, FU Chen-chao, et al** ..... (1460)

Risk factors for the development of pneumonia after SARS-CoV-2 infection in patients with systemic lupus erythematosus  
 LIU Peng-cheng, ZHANG Min, LI Jian-bin, et al ..... (1468)

*In vitro* and *in vivo* antimicrobial activity of pimozone against *Staphylococcus aureus*  
 CHEN Ti, DUAN Yao, ZHANG Xiao-jie, et al ..... (1475)

Construction and validation of a Nomogram model of intracranial infection after neurosurgery  
 MA Xiao-ju, YU Ying, LU Yan, et al ..... (1483)

Effectiveness evaluation of pharyngeal swabs combined with anal swabs as multidrug-resistant organisms admission screening in intensive care unit  
 JIANG Yi-fan, FEI Kai-hong, ZOU Ni, et al ..... (1493)

Clinical characteristics and prognostic factors of elderly patients with CA-BSI in a hospital from 2017 to 2021  
 YANG Gan-ping, LONG Zhi-yong, LI Lin-qi, et al ..... (1499)

Effect of improving cleaning and disinfection methods on the prevention, control and disinfection of CRE in burn plastic surgery ward  
 YANG Hui-ying, LI Xiao-xiao, ZHANG Jian-she, et al ..... (1506)

Effect of targeted monitoring and multi-modular improvement strategy in reducing catheter-associated urinary tract infection  
 LIU Sha-sha, XIN Xue-lin, LYU Wei-hong, et al ..... (1511)

Bacterial colonization of infusion connectors in neonatal intensive care unit and countermeasures  
 LIU Dan, HE Hua-yun, SUN Qiu-ji, et al ..... (1517)

Construction of professional competency evaluation system for healthcare-associated infection management professionals  
 YANG Yang, ZHAO Xia, WANG Li-hong, et al ..... (1523)

### Case Report

Cerebral venous sinus thrombosis caused by *Listeria monocytogenes* meningitis: a case report  
 WU Xiao-ping, WANG Bing ..... (229)

Co-infection of *Strongyloides stercoralis* and fungus: one case report  
 HU Liang, TENG Jiao, LI Guang-jun ..... (351)

*Chlamydia pecorum* pneumonia complicated with multiple organ failure detected by metagenomic next-generation sequencing: a case report  
 ZHANG Ding-hong, LIU Dong, AN Yong, et al ..... (597)

*Vibrio vulnificus* infection in a farmer from inland mountainous areas: one case report  
 DAI Da-hua, FU Bao, ZHANG Wei, et al ..... (601)

Pulmonary fungal infection caused by *Aureobasidium pullulans*: one case report and literature review  
 WANG Li-jun, WANG Hao, NING Mei-ling, et al ..... (712)

Report on the first case of acute endophthalmitis caused by *Rhizobium radiobacter* after cataract surgery  
 FAN Ning, WANG Yuan-yuan, XIE Li-min, et al ..... (718)

*Chlamydia psittaci* pneumonia with headache as the initial symptom: one case report and literature review  
 LIU Xian-jun, DU Xing-mei, WEN Mao-wan, et al ..... (721)

Liver abscess and severe hemolytic anemia infected by *Clostridium perfringens*: a case report and literature review  
 HU Juan-juan, ZHENG Yao, XIAO Wen-yan, et al ..... (839)

Two cases of meningitis in premature infants caused by *Ureaplasma parvum*  
 LIU Yun, CHENG Rui, GUO Yan, et al ..... (845)

Infection of *Rickettsia felis*: a case report  
 GAO Sheng-han, LI Tao, FU Yan-xin, et al ..... (849)

Anti-infection therapy of *Turicella otitidis* sepsis: a case report  
 GUO Pei, SHI Xue-ping, XU Xing-xing, et al ..... (972)

Pancreatic tuberculosis: two-case report and literature review  
 ZHANG Shi-yong, NIE Jia, YANG Jie, et al ..... (975)

Identification of adult intracranial infection with *Mycoplasma hominis* by MALDI-TOF-MS: a case report  
 LI Yan-mei, TAN Ji-shan, TANG Lu, et al ..... (978)

Metagenomic next-generation sequencing of cerebrospinal fluid assisted in the diagnosis of novel Bunyavirus encephalitis: a case report  
 LIU Jiu-jiang, SHI Ying, ZHENG Rui-qiang ..... (1107)

A case of failure in the treatment of acute Q fever with doxycycline  
 ZHONG Tian-chang, LI Ke-ying, LI Jia-chun ..... (1110)

AIDS patient infected with *Tropheryma whipplei* and *Pneumocystis jirovecii*: One case report  
 WU Deng-feng, HUANG Hu-xiang ..... (1377)

*Mycobacterium marinum* infection misdiagnosed as pyoderma gangrenosum: one case report  
 LIAO Zhong-min, MA Chun-guang, HAN Jian-de, et al ..... (1381)

First case of group X meningococcal disease in Hunan Province: case report and literature review  
 YAO Ting-xin, LIU Fu-rong, XIAO Geng-ji, et al ..... (1530)

**Translation**

World Health Organization: Global priority research agenda for antimicrobial resistance in human health  
**LIU Ting, XIAO Yuan-yuan, WU An-hua** ..... (995)

**Review Article**

Research progress of nutrient and plant extracts in the control of *Clostridioides difficile* infection

**NIU Xiao-ran, YANG Jing, ZHAO Jian-hong** ..... (117)

Advances in *Corynebacterium striatum* infection

**YU Hong-yu, YANG Pei-yong, LIAO Guo-hao, et al** ..... (123)

Research progress in epidemiology of human brucellosis

**ZHANG Jing, WANG Zhan-li, LI Xing-nan, et al** ..... (239)

Research progress on the mechanism of drug resistance of *Staphylococcus aureus* biofilm

**ZENG Jian-ye, CHEN Dan-dan, WANG Yu-qi, et al** ..... (244)

Clinical characteristics, diagnosis and treatment of fungal arthritis

**AN Peng-ming, MENG Dong-hao, MENG Zeng-dong** ..... (355)

Salivary histatin 5: a new strategy for the treatment of *Candida albicans* infection

**WANG Ze-hong, XIAO Jia-feng, XU Zi-bei, et al** ..... (362)

Research status and prospects of cleaning, disinfection and sterilization of Da Vinci surgical robot system

**TIAN Hong, YANG Zi-han, LI Ying, et al** ..... (484)

The principles and process of infection control in British healthcare buildings

**XIE Hao, LU Fu-ying, LI Yang, et al** ..... (489)

Research progress on the mechanism and influencing factors of removing airborne microorganisms in pipelines by UV irradiation

**LIU Ying, GE Yan-hui, LI Yan-ju** ..... (604)

Research progress on the pathogenic mechanism of human adenovirus

**ZHENG Rui-lin, WU Qian-long, CHEN Dan-yang, et al** ..... (612)

Research progress of bacteriophages in the prevention and control of healthcare-associated infection

**LIN Jia-bing, GAO Xiao-dong, HU Bi-jie** ..... (724)

Research progress in the molecular mechanism of interleukin-17 in *Staphylococcus aureus* infection

**CUI Yan, WANG Tian-ming, FU Qi, et al** ..... (731)

Research progress on non-tuberculous mycobacterial infection relevant to anti-IFN- $\gamma$  autoantibodies

**YANG Ya-min, LI Ting-hong** ..... (738)

Research progress in preemptive prevention of infectious diseases

**LI Xiang, NING Yong-zhong** ..... (853)

The role of decolonization in the prevention of *Staphylococcus aureus* bone and joint surgical infection

**DU Xin-rui, WANG Jun-rui, ZHOU Di, et al** ..... (856)

Research progress in transmission dynamics models of tuberculosis

**MAO Jun-jie, LU Jia-wang, ZHUANG Xun, et al** ..... (864)

Advance in *Klebsiella pneumoniae*, *Klebsiella quasipneumoniae* and *Klebsiella variicola*

**ZHU Yu-rong, LIU Rong-hua** ..... (983)

Research progress in the application of virtual simulation technology in teaching of healthcare-associated infection prevention and control

**LIU Fang, MAO Yi-ping, QI Qi, et al** ..... (990)

Research progress in post-COVID-19 syndrome

**ZHANG Yun-xu, JU Ping, LIU Qi, et al** ..... (1114)

Advances in carbapenem-hydrolyzing OXA-type  $\beta$ -lactamases

**JIANG Xue-qi, LI Juan** ..... (1121)

The role of NF- $\kappa$ B (p50/p65)-mediated pro-inflammatory microRNAs signal transduction in *Staphylococcus aureus* infection

**WANG Tian-ming, CHE Ying, CUI Yan, et al** ..... (1260)

Advances in the combination of antimicrobial peptides with traditional antimicrobial agents against bacterial antimicrobial resistance

**LYU Yin-feng, XUE Meng, HUANG Xin-yue, et al** ..... (1266)

Causes and countermeasures for failures in biological monitoring of hydrogen peroxide gas sterilization

**CAI Ting-ting, ZHAO Xi-li, LI Jing, et al** ..... (1384)

Research progress on the relationship between TMAO and “renal-intestinal axis”

**XIE Shi-qin, DENG Na, TAN Zhou-jin** ..... (1391)

Research progress of platelet-related indicators in evaluating the prognosis of patients with sepsis

**CHEN Lu-lu, CHANG Zhi-hui** ..... (1534)

Research progress on the application of Gegen Qianlian Decoction and its effect on the intestinal barrier

**WU Chong-mei, XIE Guo-zhen, ZHENG Tao, et al** ..... (1540)

**Standard • Specification • Guideline**

Diagnosis and treatment scheme for Human metapneumovirus infection(2023 Edition) ..... (869)

Standard for healthcare associated infection surveillance WS/T 312 – 2023 ..... (1129)

Standard for infection prevention and control of carbapenem-resistant Enterobacteriales WS/T 826 – 2023

..... (1274)

Standards for isolation techniques in hospitals WS/T 311 – 2023 ..... (1398)