**M3 Literature Review**

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Scientific Highlights:

1. Successful Treatment of Recurrent Clostridioides difficile Infection Using a Novel, Drinkable, Oral Formulation of Fecal Microbiota.
2. Low-risk pneumatosis intestinalis in the pediatric surgical population.
3. A review of fecal microbiota, live-jslm for the prevention of recurrent Clostridioides difficile infection.
4. Fecal microbiota transplant on Escherichia-Shigella gut composition and its potential role in the treatment of generalized anxiety disorder: A systematic review.
5. Outcomes after Fecal Microbiota Transplantation in combination with Bezlotoxumab for Inflammatory Bowel Disease and Recurrent C. difficile Infection.
6. Management of Clostridioides difficile infection: Diagnosis, Treatment, and Future Perspectives.
7. In Vitro Activity of Dalbavancin and Fourteen Other Antimicrobial Agents Against Toxigenic Clostridioides Difficile Clinical Isolates in a Greek Tertiary-Care Hospital.
8. Systemic neutrophil degranulation and emergency granulopoiesis in patients with Clostridioides difficile infection.
9. Enhancing bezlotoxumab binding to C. difficile toxin B2: insights from computational simulations and mutational analyses for antibody design.
10. Standards for fecal microbiota transplant: Tools and therapeutic advances.
11. The Strain and the Clinical Outcome of Clostridioides difficile Infection: A Meta-analysis.
12. Retrospective subgroup analysis of fecal microbiota, live-jslm (REBYOTA(®)) administered by colonoscopy under enforcement discretion for the prevention of recurrent Clostridioides difficile infection.
13. The epidemiology and management of Clostridioides difficile infection-A clinical update.
14. Live Biotherapeutic Products for the Prevention of Recurrent Clostridioides difficile Infection.
15. Epidemiological and clinical burden of Clostridioides difficile infections and recurrences between 2015 - 2019: the RECUR Germany study.
16. The impact of existing total anti-toxin B IgG immunity in outcomes of recurrent Clostridioides difficile infection.
17. Cefepime Versus Piperacillin-Tazobactam for the Treatment of Intra-Abdominal Infections Secondary to Potential AmpC Beta-Lactamase-Producing Organisms.
18. Hepatic Sarcoidosis Found Incidentally in a Patient Presenting With Recurrent Clostridium difficile Infections.
19. Clinical Efficacy of Therapeutic Agents for Clostridioides difficile Infection Based on Four Severity Classifications.
20. Characteristics of Patients With Initial Clostridioides difficile Infection (CDI) That Are Associated With Increased Risk of Multiple CDI Recurrences.

Clostridioides difficile/ Clostridium difficile

1. Cortical Macro- and Microstructural Changes in Parkinson's Disease with Probable Rapid Eye Movement Sleep Behavior Disorder.
2. Appending Coronene Diimide with Carbon Nanohoops Allows for Rapid Intersystem Crossing in Neat Film.
3. Contribution of caregiver and child anxiety and depressive symptoms to child asthma-related quality of life.
4. Effect of Virtual Reality Simulation Versus Traditional Education on Rates of Clostridium difficile Infection: An Experimental Cluster Randomized Controlled Trial and Return on Investment Analysis.
5. Biocontrol of Escherichia coli O157:H7 by Enterobacter asburiae AEB30 on intact cantaloupe melons.
6. Clostridium Difficile Infection in Rectal Cancer Patients after Diverted Loop Ileostomy Closure.
7. Endocrinopathies in a Pediatric Patient Post-anatomical Hemispherectomy for Rasmussen's Encephalitis Treatment: A Case Report.
8. Clinical relevance of intracranial hemorrhage after thrombectomy versus medical management for large core infarct: a secondary analysis of the SELECT2 randomized trial.
9. Integration of capacitive deionization and forward osmosis for high water recovery and ultrapure water production: concept, modelling and performance analysis.
10. Patient Safety Indicators During the Initial COVID-19 Pandemic Surge in the United States.
11. Enhanced Selective Electrosorption of Nitrate from Wastewater by Controllably Doping Nitrogen into Porous Carbon with Micropores.
12. Maximizing Adherence and Minimizing Time to Antibiotics: A Multi-Disciplinary Institutional Trauma Bay Protocol for Single Antibiotic Prophylaxis in Open Fractures.
13. Site-Specific Photocrosslinking to Investigate Toxin Delivery Mediated by the Bacterial β-Barrel Assembly Machine.
14. A case of fulminant severe Clostridioides difficile colitis managed with faecal microbial transplantation.
15. Enhancement of Mass Transfer Process for Photocatalytic Reduction in Cr(VI) by Electric Field Assistance.
16. Cardiac Surgery Patients Have Reduced Vascularity and Structural Defects of the Retina Similar to Persons with Open-Angle Glaucoma.
17. Diverse Factors Affect Measurement of Patella Alta: Trochlear Morphology and Sagittal Knee Balance Represent Defining Factors of Patellofemoral Stability.
18. Microbiota insights into pet ownership and human health.
19. Pseudomembranous colitis and Parabacteroides distasonis bacteraemia: a rare clinical presentation.
20. [Difficult-to-treat rheumatoid arthritis].
21. Designing and implementing a new icon-based difficult airway cart: a two-phase prospective qualitative improvement project.
22. Incidence and risk factors of Clostridioides difficile infection in liver transplant recipients: A comprehensive literature review.
23. The impact of the COVID-19 pandemic on longitudinal trends of surgical mortality and inpatient quality of care in Ontario, Canada.
24. Akkermansia muciniphila in infectious disease: A new target for this next-generation probiotic?
25. Tuning mono-divalent cation water composition by the capacitive ion-exchange mechanism.
26. Mechanisms of Swallowing, Speech and Voice Disorders in Parkinson's Disease: Literature Review with Our First Evidence for the Periperal Nervous System Involvement.
27. The Impact of Antimicrobial Stewardship in Treating Patients with Escherichia coli Bacteremia in a Small Single Center Community Hospital.
28. Cell division machinery drives cell-specific gene activation during differentiation in Bacillus subtilis.
29. Persistent hypernatremia secondary to adipsic central diabetes insipidus in a patient with herpes-induced meningoencephalitis and COVID-19 infection: a case report.
30. Impact of a syndrome-based stewardship intervention on antipseudomonal beta-lactam use, antimicrobial resistance, C. difficile rates, and cost in a safety-net community hospital.
31. Diverse thermal desorption combined with self-aspirating corona discharge ionization for direct mass spectrometry analysis of complex samples.
32. Radiomics and Artificial Intelligence in Renal Lesion Assessment.
33. Adoption of AI in Oncological Imaging: Ethical, Regulatory, and Medical-Legal Challenges.
34. Artificial Intelligence in Lung Cancer Imaging: From Data to Therapy.
35. Non-celiac Enteropathy and Olmesartan: An Essential Consideration.
36. Exploring diverse programmed cell-death patterns to develop a novel gene signature for predicting the prognosis of lung adenocarcinoma patients.
37. Evaluation of Differences in Patellar Height After Patellar Stabilization Procedures Not Intended to Address Patella Alta: A Multicenter Study.
38. Effect of preservation of Hoffa's fat pad on patellar height in primary total knee arthroplasty procedures.
39. Detection of Enteropathogens in Human Immunodeficiency Virus and Non-Human Immunodeficiency Virus-Infected Children with Acute Diarrhea in an Indonesian Tertiary Hospital Using Multiplex Real-Time Polymerase Chain Reaction.
40. Exploring osteochondral damage patterns in acute patellar dislocation: insights into morphological associations and risk factors.
41. Tailoring hierarchical structures in cellulose carbon aerogels from sugarcane bagasse using different crosslinking agents for enhancing electrochemical desalination capability.
42. Clostridioides difficile detection and infection in children: are they just small adults?
43. Inappropriate Diagnosis of Pneumonia Among Hospitalized Adults.
44. Assessing the Impact of Comorbid Hypercalcemia on Inpatient Outcomes of Patients With Diffuse Large B-cell Lymphoma During Admission for Chemotherapy.
45. Stress biomarkers and child development in young children in Bangladesh.
46. [Co-infection of SARS-CoV-2 and Clostridioides difficile in elderly patients treated in a neurosurgery postoperative care unit].
47. Reactive Arthritis as a Consequence of Infection by Clostridium difficile in a Pediatric Patient.
48. Antimicrobial effects of cannabidiol on select agriculturally important Clostridia.
49. Porcine Monocyte DNA Traps Formed during Infection with Pathogenic Clostridioides difficile Strains.
50. Clostridium difficile Infection Prior to Total Hip Arthroplasty Independently Increases the Risk of Periprosthetic Joint Infection.
51. Effect of Acute Ketamine Treatment on Sympathetic Regulation Indexed by Electrodermal Activity in Adolescent Major Depression.
52. Exploring the Role of Serum Osteonectin and Hsp27 in Pediatric MAFLD Diagnosis and Cardiometabolic Health.
53. Gastrointestinal infections and gastrointestinal haemorrhage are underestimated but serious adverse events in chimeric antigen receptor T-cell recipients: A real-world study.
54. Comparison of Cefazolin and Ceftriaxone Enterobacterales Susceptibilities for Inpatient Treatment of Urinary Tract Infections and Risk of Hospital-Onset Clostridioides difficile Infection.
55. The Burden of Clostridioides difficile Infection in Korea.
56. [A case of disseminated tuberculosis presenting as a metastasizing tumor, complicated by toxic megacolon caused by Clostridium difficile: Difficulties in diagnosis].
57. Changes in Patellar Height and Tibial Posterior Slope after Biplanar High Tibial Osteotomy with Computer-Designed Personalized Surgical Guides: A Retrospective Study.
58. Characterization of feline-originated probiotics Lactobacillus rhamnosus CACC612 and Bifidobacterium animalis subsp. lactis CACC789 and and evaluation of their host response.
59. Multifunctional host-defense peptides isolated from skin secretions of the banana tree dwelling frog Boana platanera (Hylidae; Hylinae).
60. Identification of a new family of peptidoglycan transpeptidases reveals atypical crosslinking is essential for viability in Clostridioides difficile.
61. Intestinal Colonization by Campylobacter jejuni, Clostridium difficile, and Clostridium perfringens among Commensal Rattus norvegicus in the Urban Areas of Tehran, Iran.
62. It's All in the Interaction: Early Acquired Words Are Both Frequent and Highly Imageable.
63. Isolation and characterization of novel 3,3'-iminodipropionitrile biodegrading Paracoccus communis, from an industrial wastewater treatment bioreactor.
64. Evaluation of a surveillance system for Clostridioides difficile infections for Swiss hospitals.
65. Zoonotic bacteria in the vicinity of animal farms as a factor disturbing the human microbiome: a review.
66. Novel insights into phage biology of the pathogen Clostridioides difficile based on the active virome.
67. RNA-based regulation in bacteria-phage interactions.
68. The small acid-soluble proteins of spore-forming organisms: Similarities and differences in function.
69. Proton pump inhibitors for gastrointestinal bleeding prophylaxis in critically ill patients: A systematic review protocol.

Fidaxomicin & Clostridium difficile

1. Fecal microbiota transplantation as an early therapeutic option in treatment refractory Clostridioides difficile infection.
2. Fecal microbiota transplantation stimulates type 2 and tolerogenic immune responses in a mouse model.
3. Clostridioides difficile infection promotes gastrointestinal dysfunction in human and mice post-acute phase of the disease.
4. Transplant of microbiota from Crohn's disease patients to germ-free mice results in colitis.
5. Incidence of Colorectal Cancer After Intestinal Infection Due to Clostridioides difficile.
6. Assessment of Faecal Microbiota Transplant Stability in Deep-Freeze Conditions: A 12-Month Ex Vivo Viability Analysis.
7. Gut Microbiome-Colorectal Cancer Relationship.

Clostridioides difficile vaccine

Vancomycin & CDI

1. Effective treatment of Clostridioides difficile infection improves survival and affects graft-versus-host disease: a multicenter study by the Polish Adult Leukemia Group.
2. Comprehensive analyses of a large human gut Bacteroidales culture collection reveal species and strain level diversity and evolution.
3. Experience with PCR Testing for Enteric Bacteria and Viruses of Emergency Department Patients with Acute Gastroenteritis: Are There Implications for the Early Treatment of Clostridioides difficile Infection?
4. Antimicrobial activity of eravacycline and other comparative agents on aerobic and anaerobic bacterial pathogens in Taiwan: a clinical microbiological study.

CDI

1. Photoimmuno-antimicrobial therapy for Staphylococcus aureus implant infection.
2. Influence of systemic antibiotic therapy on the development and progression of induced apical periodontitis in Wistar rats.
3. GlcNAc-1,6-anhydro-MurNAc Moiety Affords Unusual Glycosyl Acceptor that Terminates Peptidoglycan Elongation.
4. Comment on: The Comparative Effectiveness of Ciprofloxacin and Metronidazole for an Initial Episode of Pouchitis: A Propensity-Matched Study.
5. Comparison of Antibacterial Efficacy of Triple Antibiotic-Loaded Hydrogel Versus Modified Triple Antibiotic-Loaded Hydrogel as Intracanal Medicament Against Enterococcus faecalis: An In vitro Study.
6. Diversity and functional characteristics of culturable bacterial endosymbionts from cassava whitefly biotype Asia II-5, Bemisia tabaci.
7. Risk factors for therapeutic failure in adults with methicillin-resistant Staphylococcus aureus (MRSA) infection treated with vancomycin in a high-complexity hospital in Cali, Colombia.
8. A Case of Gemella morbillorum Causing Multi-valvular Endocarditis.
9. Aplastic Anaemia Associated with Bendamustine Therapy - A Rare Side Effect.
10. Efficacy and tolerability of Helicobacter pylori eradication regimes in South Kivu, Eastern of the Democratic Republic of Congo: A single center observational study.
11. Prolonged Bacteroides pyogenes infection in a patient with multiple lung abscesses.
12. Evaluating Enterococcus faecium9 N-2 as a probiotic candidate from traditional village white cheese.
13. Fungal and bacterial gut microbiota differ between Clostridioides difficile colonization and infection.
14. Drug-induced Stevens-Johnson syndrome in Post traumatic facial injury.
15. Intraosseous Versus Intravenous Vancomycin in Tourniquetless Primary Total Knee Arthroplasty: A Randomized Trial.
16. Exploring novel pyrazole-nitroimidazole hybrids: Synthesis and antiprotozoal activity against the human pathogen trichomonas vaginalis.
17. The multicenter real-world report of the efficacies of 14-day esomeprazole-based and rabeprazole-based high-dose dual therapy in first-line Helicobacter pylori eradication in Taiwan.
18. Nutritional strategies to improve VRE control.
19. Addition of vancomycin to cefazolin is often unnecessary for preoperative antibiotic prophylaxis during total joint arthroplasties.
20. Genome mining of Escherichia coli WG5D from drinking water source: unraveling antibiotic resistance genes, virulence factors, and pathogenicity.
21. Common and varied molecular responses of Escherichia coli to five different inhibitors of the lipopolysaccharide biosynthetic enzyme LpxC.
22. [Potential Nephrotoxicity of Combination of Vancomycin and Piperacillin-Tazobactam: Recommendations from the AG ABS of the DGPI supported by experts of the GPN].
23. Meropenem versus piperacillin-tazobactam for the treatment of pancreatic necrosis.
24. Biophysical library screening using a Thermo-FMN assay to identify and characterize Clostridioides difficile FabK inhibitors.
25. Physicochemical, Structural, and Functional Properties of Fructans from Single-Clove Garlic and Multiclove Garlic: A Comparison.
26. Native Aortic Valve Endocarditis Secondary to Gastric Antral Vascular Ectasia Manipulation During Endoscopic Argon Plasma Coagulation.
27. Molecular Docking Analysis of Hydroxyclavicol and Eugenol From Betel Leaves Against Outer Membrane Protein (OmpH) of Dialister pneumosintes.
28. An unusual imaging presentation of pediatric bacterial meningoencephalitis: a case-report study.
29. Optimized sequential therapy vs 10- and 14-d concomitant therapy for eradicating Helicobacter pylori: A randomized clinical trial.
30. Oral vancomycin is associated with improved inflammatory bowel disease clinical outcomes in primary sclerosing cholangitis-associated inflammatory bowel disease (PSC-IBD): A matched analysis from the Paediatric PSC Consortium.
31. Modeling the impact of urban and hospital eco-exposomes on antibiotic-resistance dynamics in wastewaters.
32. Characterizing redundancy in pharmacy residency research projects.
33. A Case Report of Corynebacterium Tuberculostearicum Infection.
34. Pangenome Analysis of Helicobacter pylori Isolates from Selected Areas of Africa Indicated Diverse Antibiotic Resistance and Virulence Genes.
35. Vancomycin and Ustekinumab Combination Therapy in Acute Ulcerative Colitis.
36. Editorial: Clostridioides difficile infection.
37. Unraveling Multicopper [Cu(3)] and [Cu(6)] Clusters with Rare μ(3)-Sulfato and Linear μ(2)-Oxido-Bridges as Potent Antibiofilm Agents against Multidrug-Resistant Staphylococcus aureus.
38. High antibiotic resistance rates in Helicobacter pylori strains in Turkey over 20 years: implications for gastric disease treatment.
39. Opportunistic dried blood spot sampling validates and optimizes a pediatric population pharmacokinetic model of metronidazole.
40. Prevalence and Molecular Characterization of Vancomycin Variable Enterococcus faecium Isolated From Clinical Specimens.
41. The Role of Probiotics in the Prevention of Clostridioides difficile Infection in Patients with Chronic Kidney Disease.
42. Bacteriophages for Controlling Staphylococcus spp. Pathogens on Dairy Cattle Farms: In Vitro Assessment.
43. Updating the Classification of Chronic Inflammatory Enteropathies in Dogs.
44. When will the Glomerular Filtration Rate in Former Preterm Neonates Catch up with Their Term Peers?
45. Measuring the prevalence of aspiration pneumonia in view of improving the relevance of antibiotic prescription of antibiotics: A retrospective, observational study.
46. Effectiveness of vancomycin powder for preventing postoperative spinal infection.
47. A nurse-driven penicillin allergy risk score in the preoperative setting was associated with increased cefazolin use perioperatively.
48. Hydrothermal-assisted synthesis of Sr-doped SnS nanoflower catalysts for photodegradation of metronidazole antibiotic pollutant in wastewater promoted by natural sunlight irradiation.
49. A Vancomycin-Templated DNA-Encoded Library for Combating Drug-Resistant Bacteria.
50. Multiple systemic infections caused by Rhodococcus equi: a case report.
51. Antimicrobial susceptibility pattern of aerobic bacteria responsible for post-surgical wound infection of the patients admitted into Khulna Medical College Hospital, Bangladesh.
52. A Rare Case of Brodie's Abscess in the Tibial Diaphysis Masquerading as a Vaso-occlusive Sickle Crisis.
53. An Atypical Manifestation of Necrotizing Fasciitis in a Patient With Type II Diabetes.
54. Efficacy of rifampicin combination therapy against MRSA prosthetic vascular graft infections in a rat model.
55. Novel Colorimetric and Light Scatter Methods to Identify and Manage Peritoneal Dialysis-Associated Peritonitis at the Point-of-Care.
56. Author Correction: Automated sepsis detection with vancomycin- and allantoin-polydopamine magnetic nanoparticles.
57. Linezolid-Induced Thrombocytopenia in Patients with Renal Impairment: A Case Series, Review and Dose Advice.
58. Novel Bioresorbable Drug-Eluting Mesh Scaffold for Therapy of Muscle Injury.
59. Expression of Staphylococcus aureus translation elongation factor P is regulated by a stress-inducible promotor.
60. Spectrum and antibiotic resistance in community- and hospital-acquired urinary tract infections among adults: Experience from a large tertiary care center in a developing country.
61. Daptomycin and Ceftaroline Combination Therapy in Complicated Endovascular Infections Caused by Methicillin-Resistant Staphylococcus epidermidis.
62. Preparation of visible-light active MOFs-Perovskites (ZIF-67/LaFeO(3)) nanocatalysts for exceptional CO(2) conversion, organic pollutants and antibiotics degradation.
63. Clinical Impact of Vancomycin MIC on Outcomes in Patients With Coagulase-negative Staphylococcal Bacteremia.
64. Association Between First-Time Neurologic Events and Metronidazole Treatment: A Case-Time Control Study.
65. Evaluation of two commercial broth microdilution systems for dalbavancin susceptibility testing of MRSA and other resistant Gram-positive cocci.
66. The impact of discontinuing single-room isolation of patients with vancomycin-resistant enterococci: a quasi-experimental single-center study in South Korea.
67. Assessing the Risk of Antimicrobial Resistant Enterococcal Infections in Humans Due to Bacitracin Usage in Poultry.
68. Ototoxic and nephrotoxic drugs in neonatal intensive care units: results of a Spanish and Italian survey.
69. Development of Membrane-Targeting Fluorescent 2-Phenyl-1H-phenanthro[9,10-d]imidazole-Antimicrobial Peptide Mimic Conjugates against Methicillin-Resistant Staphylococcus aureus.
70. Antimicrobial resistance markers distribution in Staphylococcus aureus from Nsukka, Nigeria.
71. Potential risk factors for early acute kidney injury in patients treated with vancomycin.
72. Protease-induced excitation of dorsal root ganglion neurons in response to acute perturbation of the gut microbiota is associated with visceral and somatic hypersensitivity.
73. Longitudinal antimicrobial susceptibility trends of canine Staphylococcus pseudintermedius.
74. The role of centre and country factors on process and outcome indicators in critically ill patients with hospital-acquired bloodstream infections.
75. Biomimetic Nanovehicle-Enabled Targeted Depletion of Intratumoral Fusobacterium nucleatum Synergizes with PD-L1 Blockade against Breast Cancer.
76. Electrospun Chitosan-Based Nanofibrous Coating for the Local and Sustained Release of Vancomycin.
77. Implants coating strategies for antibacterial treatment in fracture and defect models: A systematic review of animal studies.
78. Amoebic colitis-A diagnostic challenge on endoscopy: Case report.
79. Consumption of non-antibacterial drugs may have negative impact on Helicobacter pylori colonization in the stomach.
80. Optimization and preparation of a compound cod liver oil film former agent: an orthogonal design.
81. Correction: Population Pharmacokinetic Analysis of Vancomycin in Patients with Solid or Hematological Malignancy in Relation to the Quick Sequential Organ Failure Assessment Scores.
82. Determining steady-state trough range in vancomycin drug dosing using machine learning.
83. Detection ofClostridioides difficileinfection by assessment of exhaled breath volatile organic compounds.
84. Development of an ultrafast PCR to detect clinically relevant acquired vancomycin-resistance genes from cultured enterococci.
85. Gastrointestinal Variant of Lemierre Syndrome due to Fusobacterium nucleatum: A Case Report.
86. Fatal Community-Acquired Clostridioides difficile Infection as a Cause of Listeria Meningitis: A Case Report.
87. Synthesis of 1,2,3-triazole-piperazin-benzo[b][1,4]thiazine 1,1-dioxides: antibacterial, hemolytic and in silico TLR4 protein inhibitory activities.
88. Characterizing antibiotic prophylaxis practices in pediatric deformity spinal surgery and impact on 30-day postoperative infection: an NSQIP pediatric database study.
89. Development of New PCR Protocols to Detect Genetic Diversity in the Metronidazole Metabolism Genes in Susceptible and Refractory Clinical Samples of Giardia duodenalis.
90. Discovery of novel secondary metabolites from the basidiomycete Lentinus cf. sajor-caju and their inhibitory effects on Staphylococcus aureus biofilms.
91. Vancomycin powder in the prevention of infection in primary knee and hip arthroplasty: Case-control study with 1151 arthroplasties.
92. Characterization of Weissella Species during a 3-Year Observational Study - An Emerging Threat.
93. Morbidity After Mechanical Bowel Preparation and Oral Antibiotics Prior to Rectal Resection: The MOBILE2 Randomized Clinical Trial.
94. Genomic analysis of inter-hospital transmission of vancomycin-resistant Enterococcus faecium sequence type 80 isolated during an outbreak in Hiroshima, Japan.
95. Vancomycin heteroresistance caused by unstable tandem amplifications of the vanM gene cluster on linear conjugative plasmids in a clinical Enterococcus faecium.
96. Carbonic anhydrase and bacterial metabolism: a chance for antibacterial drug discovery.
97. Exploring the potential of bis(thiazol-5-yl)phenylmethane derivatives as novel candidates against genetically defined multidrug-resistant Staphylococcus aureus.
98. A decade of neonatal sepsis in Stockholm, Sweden: Gram-positive pathogens were four times as common as Gram-negatives.
99. Whole genome sequencing and molecular epidemiology of methicillin-resistant Staphylococcus aureus isolated from patients with bacteraemia in Slovenia.
100. Epidemiology and outcomes associated with enterococcal blood stream infection among liver and kidney transplant recipients.
101. Application of tobramycin benzyl ether as an antibiotic adjuvant capable of sensitizing multidrug-resistant Gram-negative bacteria to rifampicin.
102. Whipple's Disease Presenting With a Chief Complaint of Dyspnea and Cough From Pulmonary Invasion Without Evidence of Gastrointestinal Involvement.
103. Antimicrobial treatment in invasive infections caused by Gordonia bronchialis: systematic review.
104. Comparative Evaluation of Push-out Bond Strength of Conventional Mineral Trioxide Aggregate, Biodentine, and Two Novel Antibacterial-enhanced Mineral Trioxide Aggregates.
105. The effect of topical vancomycin powder application on the rate of intervertebral fusion following lumbar fusion:a retrospective study.
106. Leonurine alleviates vancomycin nephrotoxicity via activating PPARγ and inhibiting the TLR4/NF-κB/TNF-α pathway.
107. Mutasynthesis generates nine new pyrroindomycins.
108. Association between trough serum vancomycin concentration and vancomycin-associated acute kidney injury and 30-day mortality in critically ill elderly adults.
109. Synthesis of new trypanocidal agents from the hybridisation of metronidazole and eugenol analogues.
110. Rapid detection of major enterotoxin genes and antibiotic resistance of Staphylococcus aureus isolated from raw milk in the Yazd province, Iran.
111. Concentration dependent exposure of vancomycin and teicoplanin induces vanG regulon in Staphylococcus aureus.
112. Discovery of Gambogic acid as an antibacterial adjuvant against vancomycin-resistant enterococci in vitro and in vivo.
113. An improved mouse model of sepsis based on intraperitoneal injections of the enriched culture of cecum slurry.
114. A two-step regulatory circuit involving Spo0A-AbrB activates mersacidin biosynthesis in Bacillus subtilis.
115. An essential protease, FtsH, influences daptomycin resistance acquisition in Enterococcus faecalis.
116. Facet-dependent activation of oxalic acid over hematite nanocrystals under the irradiation of visible light for efficient degradation of pollutants.
117. In vitro anti-Trichomonas gallinae effects of Ziziphus vulgaris L. and Camellia sinensis (L.) Kuntze extracts.
118. Application of the U.S. Food and Drug Administration's Sentinel Routine Querying Tools to the Taiwan Sentinel Data Model-formatted National Health Insurance Research Database.
119. Pharmacovigilance of nephrotoxic drugs in neonates: the Pottel method for acute kidney injury detection in ELBW neonates.
120. A simple solid media assay for detection of synergy between bacteriophages and antibiotics.
121. An Aminoglycoside-Sparing Regimen with Double Beta-Lactam to Successfully Treat Granulicatella adiacens Prosthetic Aortic Valve Endocarditis-Time to Change Paradigm?
122. The Prevalence, Risk Factors, and Antimicrobial Resistance Determinants of Helicobacter pylori Detected in Dyspeptic Patients in North-Central Bangladesh.
123. Enhancing Antimicrobial Efficacy and Synergistic Effects of Nano-Silica-Based Combinations With Doxycycline, Metronidazole, and Ciprofloxacin Against Enterococcus faecalis Biofilms.
124. Assessment of the Efficiency of Tulsi Extract as a Locally Administered Medication Agent and Its Comparison With Curcumin in the Treatment of Periodontal Pockets.
125. How an Antimicrobial Stewardship Team Treated a Nocardia farcinica-Associated Brain Abscess: A Case Report.
126. Case Series of Vancomycin-Associated Hemorrhagic Occlusive Retinal Vasculitis.
127. Multidrug-resistant organism bloodstream infection and hospital acquisition among inpatients in three tertiary Greek hospitals during the COVID-19 era.
128. Therapeutic drug monitoring of vancomycin in surgical patients through a validated HPLC method.
129. Spectrum and antibiotic sensitivity of bacterial keratitis: a retrospective analysis of eight years in a Tertiary Referral Hospital in Southwest China.
130. The Prevalence and Antimicrobial Susceptibility of Methicillin-Resistant Staphylococcus aureus Before and After the COVID-19 Pandemic in a Tertiary Saudi Hospital.
131. LysSYL: a broad-spectrum phage endolysin targeting Staphylococcus species and eradicating S. aureus biofilms.
132. Surgical Site Infections in Trauma Exploratory Laparotomies Preoperative Ceftriaxone and Metronidazole Versus Cefoxitin.
133. Genomic Insights into Staphylococcus aureus Isolates Exhibiting Diminished Daptomycin Susceptibility.
134. New Frontier on Antimicrobial Therapy: Long-Acting Lipoglycopeptides.
135. Antimicrobial Treatment Challenges in the Management of Infective Spondylodiscitis Associated with Hemodialysis: A Comprehensive Review of Literature and Case Series Analysis.
136. Equivalence Trial of the Non-Bismuth 10-Day Concomitant and 14-Day Hybrid Therapies for Helicobacter pylori Eradication in High Clarithromycin Resistance Areas.
137. The Synthetic Peptide LyeTx I mn∆K, Derived from Lycosa erythrognatha Spider Toxin, Is Active against Methicillin-Resistant Staphylococcus aureus (MRSA) In Vitro and In Vivo.
138. Impact of Genital Infections and Antibiotic Use on Incidence of Preterm Birth: A Retrospective Observational Study.
139. The Microbiological Profile and Antibiotic Susceptibility of Fracture Related Infections in a Low Resource Setting Differ from High Resource Settings: A Cohort Study from Cameroon.
140. The Impact of COVID-19 on Multidrug-Resistant Bacteria at a Slovenian Tertiary Medical Center.
141. Proteomics-Based RT-qPCR and Functional Analysis of 18 Genes in Metronidazole Resistance of Bacteroides fragilis.
142. Phylogenetic Analysis of Pyruvate-Ferredoxin Oxidoreductase, a Redox Enzyme Involved in the Pharmacological Activation of Nitro-Based Prodrugs in Bacteria and Protozoa.
143. One-Step Detection of Vancomycin in Whole Blood Using the Lateral Flow Immunoassay.
144. The functional small RNA interactome reveals targets for the vancomycin-responsive sRNA RsaOI in vancomycin-tolerant Staphylococcus aureus.
145. Vancomycin AUC(0-24) estimation using first-order pharmacokinetic methods in pediatric patients.
146. Harmonising IV Oxycodone with Paediatric Perioperative Medications: A Compatibility Study Through Y-Type Connectors.
147. Coexisting Primary Sclerosing Cholangitis and Autoimmune Hepatitis: Overlapping Challenges in Diagnosis and Treatment.
148. Repurposing fusidic acid as an antimicrobial against enterococci with a low probability of resistance development.
149. [Analysis of epidemiological characteristics and risk factors of catheter-associated urinary tract infections in patients with perineal and/or hip burns].
150. Design and development of dual drug-loaded nanofibrous inserts for ophthalmic sustained delivery of AMK and VAN: Pharmacokinetic study in rabbit's eye.
151. Rapid detection of vanB vancomycin-resistant enterococci by laboratory-developed PCR on enrichment broth.
152. Functional carbon dots-hydrogel complex for selective antibacterial and detection applications.
153. In vitro activity of selected antimicrobials against methicillin-resistant Staphylococcus pseudintermedius of canine origin in Poland.
154. Comparison of Daily versus Admission and Discharge Surveillance Cultures for Multidrug-Resistant Organism Detection in an Intensive Care Unit.
155. Squamous cell carcinoma arising from chronic osteomyelitis of the femur: A case report.
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11. Clostridioides difficile infection: a changing treatment paradigm.

Non-toxigenic C. difficile

MGB

Other news of possible interest