**M3 Literature Review**

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Scientific Highlights:

1. Durability and outcomes of fecal microbiota transplantation for recurrent Clostridioides difficile infection in patients with moderate to severe inflammatory bowel disease.
2. Clostridioides difficile infections, recurrences, and clinical outcomes in real-world settings from 2015-2019: The RECUR England study.
3. Dissecting mechanisms of fecal microbiota transplantation efficacy in disease.
4. Oral Antibiotics for Treatment of Gram-Negative Bacteremia in Solid Organ Transplant Recipients: A Propensity Score Weighted Retrospective Observational Study.
5. Comparative Effectiveness of Fidaxomicin vs Vancomycin in Populations With Immunocompromising Conditions for the Treatment of Clostridioides difficile Infection: A Single-Center Study.
6. Unlocking Bevacizumab's Potential: rCBV(max) as a Predictive Biomarker for Enhanced Survival in Glioblastoma IDH-Wildtype Patients.
7. Clostridioides difficile Infection in Hospitalized Patients-A Retrospective Epidemiological Study.
8. Generalisability of predictive models for Clostridioides difficile infection, severity, and recurrence at an urban safety-net hospital.
9. Efficacy and Health-Related Quality of Life Impact of Fecal Microbiota, Live-jslm: A Post Hoc Analysis of PUNCH CD3 Patients at First Recurrence of Clostridioides difficile Infection.
10. Bezlotoxumab during the first episode of Clostridioides difficile infection in patients at high risk of recurrence.
11. Efficacy of noncarbapenem therapy for the treatment of ceftriaxone-resistant Enterobacterales outside the urinary tract.
12. Pyrin Inflammasome Activation Defines Colchicine-Responsive SURF Patients from FMF and Other Recurrent Fevers.
13. Loratadine is an anti-inflammatory agent against C. difficile toxin B.
14. Host-defense piscidin peptides as antibiotic adjuvants against Clostridioides difficile.
15. Patients With First-Time or Recurrent Patellar Dislocation Have a Similar High Rate and Extent of Articular Cartilage Injury Observed on Magnetic Resonance Imaging.
16. Use of electronic health record data to identify hospital-associated Clostridioides difficile infections: a validation study.
17. Role of Fecal Microbiota Transplantation in Managing Clostridium Difficile Infection and Inflammatory Bowel Disease: A Narrative Review.
18. The combined effect of systemic antibiotics and proton pump inhibitors on Clostridioides difficile infection and recurrence.
19. Gut Microbiota-Gut Metabolites and Clostridioides difficile Infection: Approaching Sustainable Solutions for Therapy.
20. Potential underreporting of treated patients using a Clostridioides difficile testing algorithm that screens with a nucleic acid amplification test.
21. Anti-S-layer monoclonal antibodies impact Clostridioides difficile physiology.
22. Impact of oral vancomycin treatment duration on rate of Clostridioides difficile recurrence in patients requiring concurrent systemic antibiotics.
23. Antimicrobial Resistance of Clostridioides difficile in Children from a Tertiary Pediatric Hospital in Shanghai, China.
24. Navigating the Landscape of Liver Cancer Management: Study Designs in Clinical Trials and Clinical Practices.
25. A Randomized, Double-Blind, Phase 3 Safety and Efficacy Study of Ridinilazole Versus Vancomycin for Treatment of Clostridioides difficile Infection: Clinical Outcomes With Microbiome and Metabolome Correlates of Response.
26. Concomitant Lymphocytic Colitis With Recurrent Clostridium difficile Infection.
27. Characterizing the flavodoxin landscape in Clostridioides difficile.
28. Fecal Microbiota Transplantation for Clostridium difficile-associated Diarrhea in Hematopoietic Stem Cell Transplant Recipients: A Single-center Experience from a Tertiary Center in India.
29. Antimicrobial Guanidinylate Polycarbonates Show Oral in Vivo Efficacy Against Clostridioides Difficile.

Clostridioides difficile/ Clostridium difficile

1. Leveraging diverse cell-death patterns to predict the clinical outcome of immune checkpoint therapy in lung adenocarcinoma: Based on muti-omics analysis and vitro assay.
2. Phage transcriptional regulator X (PtrX)-mediated augmentation of toxin production and virulence in Clostridioides difficile strain R20291.
3. Letter to the editor of Perfusion re: Marloes van Hoeven, et al. A comparison of continuous blood gas monitors during cardiopulmonary bypass Liva Nova B-Capta, Terumo CDI 500, Spectrum medical M4.
4. Reduced Lattice Constant in Al-Doped LiMn(2) O(4) Nanoparticles for Boosted Electrochemical Lithium Extraction.
5. Another iron in C. difficile's fire.
6. Prophage Carriage and Genetic Diversity within Environmental Isolates of Clostridioides difficile.
7. Comparing apples to manzanas and oranges to naranjas: A new measure of English-Spanish vocabulary for dual language learners.
8. Bacteroides and related species: The keystone taxa of the human gut microbiota.
9. Association Between Diverse Cell Death Patterns Related Gene Signature and Prognosis, Drug Sensitivity, and Immune Microenvironment in Glioblastoma.
10. A coronene diimide based radical anion for detection of picomolar H(2)O(2): a biochemical assay for detection of picomolar glucose in aqueous medium.
11. Efficacy of probiotics or synbiotics in critically ill patients: A systematic review and meta-analysis.
12. Unveiling the autoreactome: Proteome-wide immunological fingerprints reveal the promise of plasma cell depleting therapy.
13. Copper hexacyanoferrate/carbon sheet combination with high selectivity and capacity for copper removal by pseudocapacitance.
14. Evaluation of an Automated, Pharmacist-Driven, Antimicrobial Patient Acuity Scoring System for Hospitalized Bacteremic Patients.
15. Effect of a Virtual Reality Simulation Modality on Registered Nurse Knowledge and Behavior Related to Clostridioides difficile Prevention: An Experimental, Cluster Randomized Controlled Trial.
16. The transcriptional cofactor Tle3 reciprocally controls effector and central memory CD8(+) T cell fates.
17. Unpacking the relationship between shared decision-making and decisional quality, decision to screen, and screening completion in lung cancer screening.
18. Bring it on again: antimicrobial stewardship in transplant infectious diseases: updates and new challenges.
19. A preliminary attempt at capacitive deionization with PVA/PSS gel coating as an alternative to ion exchange membrane.
20. Rosin as a Natural Alternative for the effective disinfection of ESKAPE Pathogens and Clostridioides difficile spores.
21. Editorial: An anti-inflammatory approach to drug repurposing for Clostridioides difficile infection.
22. A monoclonal antibody collection for C. difficile typing ?
23. MPFL reconstruction with proximal rather than distal femoral tunnel position leads to less favorable short-term results.
24. A Streamlined Method to Obtain Biologically Active TcdA and TcdB Toxins from Clostridioides difficile.
25. The Chaperonin TRiC/CCT Inhibitor HSF1A Protects Cells from Intoxication with Pertussis Toxin.
26. The Relationship of Rejection Sensitivity to Depressive Symptoms in Adolescence: The Indirect Effect of Perceived Social Acceptance by Peers.
27. Robust and Transparent Silver Oxide Coating Fabricated at Room Temperature Kills Clostridioides difficile Spores, MRSA, and Pseudomonas aeruginosa.
28. Animal and In Vitro Models as Powerful Tools to Decipher the Effects of Enteric Pathogens on the Human Gut Microbiota.
29. Sustainable B(12)-Dependent Dehalogenation of Organohalides in E. coli.
30. A comprehensive drought index based on spatial principal component analysis and its application in northern China.
31. Reactions of Cadmium(II) Halides and Di-2-Pyridyl Ketone Oxime: One-Dimensional Coordination Polymers.
32. The True Dislocation Incidence following Elective Total Hip Replacement in Sweden: How Does It Relate to the Revision Rate?
33. Multi-Dimensional Validation of the Integration of Syntactic and Semantic Distance Measures for Clustering Fibromyalgia Patients in the Rheumatic Monitor Big Data Study.
34. Family Functioning, Maternal Depression, and Adolescent Cognitive Flexibility and Its Associations with Adolescent Depression: A Cross-Sectional Study.
35. Properties of Nanohybrid Dental Composites-A Comparative In Vitro Study.
36. Analysis of intestinal flora in elderly Uygur patients with sarcopenia.
37. Sustained pacifier use is associated with smaller vocabulary sizes at 1 and 2 years of age: A cross-sectional study.
38. Clostridioides difficile infection across the lifespan: Estimation using life tables.
39. Phase variation of flagella and toxins in Clostridioides difficile is mediated by selective Rho-dependent termination.
40. Prenatal metal exposures and childhood gut microbial signatures are associated with depression score in late childhood.
41. Starvation helps transition to abundance - a ferrosome story.
42. Large-scale genomic rearrangements boost SCRaMbLE in Saccharomyces cerevisiae.
43. Radiographic Investigation of Coronal Plane and Patellar Height and Changes Following Tibial Deflection Osteotomy for Correction of Tibial Slope in Combination With ACL Reconstruction.
44. Localized pseudomembranous gastritis associated with hepatic cirrhosis and portal hypertensive gastropathy: a case report.
45. On the origins of SARS-CoV-2 main protease inhibitors.
46. Communicative development inventory in type 1 and presymptomatic infants with spinal muscular atrophy: a cohort study.
47. ONSET OF NONSPECIFIC ULCERATIVE COLITIS POST COVID-19 (CASE STUDY).
48. The contributions of clinical disease activity, functional disability, and illness intrusiveness to depressive symptoms in pediatric inflammatory bowel disease.
49. The diagnostic performance of copeptin in clinical practice: A prospective study.
50. Alterations in the gut microbiota and their metabolites in human intestinal epithelial cells of patients with colorectal cancer.
51. Ultrathin nitrogen-doped carbon Ti(3)C(2)T(x)-TiN heterostructure derived from ZIF-8 nanoparticles sandwiched MXene for high-performance capacitive deionization.
52. Correction of In-Patient Severe Hypernatremia in an 81-Year-Old Female With Hypopituitarism.
53. Cord Blood Derived-Multipotent Stem Cells Ameliorate In-Vitro/In-Vivo Alloreactive Responses and this Effect is Associated with Exosomal Microvesicles in Vitro.
54. The reunion with my patients: their journey and experience 30 years after their intervention for adolescent idiopathic scoliosis via CD instrumentation.
55. EDTA biodegradability and assisted phytoextraction efficiency in a large-scale field simulation: Is EDTA phasing out justified?
56. A review of chloride ions removal from high chloride industrial wastewater: Sources, hazards, and mechanisms.
57. Gastrointestinal PCR panel results and antibiotic use in acute gastroenteritis cases: How appropriate are we in our usage?
58. A Retrospective Cohort Study to Evaluate the Outcomes of HIV-Associated High-Grade B-Cell Non-Hodgkin Lymphoma (NHL) Treated with Dose Adjusted EPOCH (+/-R) Regimen.
59. Change in Provider Specialty Was Associated With Less Fluoroquinolone Use at a Veterans Affairs Long-Term Care Setting.
60. Synthesis and antimicrobial activity of thiophene-based heterocycles derived from thiophene-2-carbohydrazide.
61. [GPT-4, health data, and GDPR: The challenging equation].
62. Perspective into ion storage of pristine metal-organic frameworks in capacitive deionization.

Fidaxomicin & Clostridium difficile

1. Clostridioides difficile infection after extracorporeal membrane oxygenation support for acute myocardial infarction: a case report.
2. Quality of life among older patients receiving faecal microbiota transplant for Clostridioides difficile infection.
3. The microbial metabolite urolithin A reduces Clostridioides difficile toxin expression and toxin-induced epithelial damage.
4. Gut Microbiota Protects Listeria monocytogenes-Infected Mice by Reducing the Inflammatory Cytokines Storm and Cell Apoptosis.
5. Gut-targeted therapies for type 2 diabetes mellitus: A review.
6. Lurking Danger: Emerging Evidence.

Clostridioides difficile vaccine

1. Multimodal vaccination targeting the receptor binding domains of Clostridioides difficile toxins A and B with an attenuated Salmonella Typhimurium vector (YS1646) protects mice from lethal challenge.
2. Core-genome-mediated promising alternative drug and multi-epitope vaccine targets prioritization against infectious Clostridium difficile.
3. Burden of Medically Attended Diarrhea and Outpatient Clostridioides difficile Infection Among Persons in 2 Large Integrated Healthcare Settings, 2016-2021.
4. Clostridioides difficile Infection: A Clinical Review of Pathogenesis, Clinical Considerations, and Treatment Strategies.

Vancomycin & CDI

1. In vivo evaluation of Clostridioides difficile enoyl-ACP reductase II (FabK) inhibition by phenylimidazole unveils a promising narrow-spectrum antimicrobial strategy.
2. Exposure and resistance to lantibiotics impact microbiota composition and function.
3. A five-year quasi-experimental study to evaluate the impact of empiric antibiotic order sets on antibiotic use metrics among hospitalized adult patients.
4. Diagnostic considerations in the clinical management of sudden swelling of the knee: a case report and review of the literature.
5. Epidemiology of Clostridioides difficile infection at a tertiary care facility in Saudi Arabia: Results of prospective surveillance.

CDI

1. Activity of a foam in preventing rebound of vancomycin-resistant Enterococcus faecium-containing droplets generated from the toilet bowl.
2. Infantile orbital abscess caused by methicillin-resistant Staphylococcus aureus: a case report and literature review.
3. A growing battlefield in the war against biofilm-induced antimicrobial resistance: insights from reviews on antibiotic resistance.
4. An insight into genes responsible for fosfomycin resistance among uropathogens of asymptomatic bacteriuria during pregnancy: A North Indian study.
5. Genomic investigation of the emergence of vanD vancomycin-resistant Enterococcus faecium.
6. Deconvolution of multichannel LC-MS/MS chromatograms of glucosamine-phosphates: Evidence of a GlmS regulatory difference between Staphylococcus aureus and Enterococcus faecium.
7. Prevalence, risk factors, and outcomes of acute kidney injury in a pediatric cardiac intensive care unit: A cross-sectional study.
8. Sigmoid colon pseudotumor of actinomycosis: a rare case.
9. Liquid chromatography-tandem mass spectrometry methods for quantification of total and free antibiotic concentrations in serum and exudate from patients with post-sternotomy deep sternal wound infection receiving negative pressure wound therapy.
10. Preparation and evaluation of blend polymer films for wound dressing using vancomycin-loaded polycaprolactone and carboxymethyl cellulose via crosslinking methods: Effect of mechanical strength, antibacterial activity, and cytotoxicity.
11. Prevalence and molecular characteristics of heterogeneous vancomycin intermediate Staphylococcus aureus in a tertiary care center of northern China.
12. Microbiome and Abdominopelvic Radiotherapy Related Chronic Enteritis: A Microbiome-based Mechanistic Role of Probiotics and Antibiotics.
13. Etiquette of the antibiotic decision-making process for surgical prophylaxis in Ethiopia: a triangulated ethnographic study.
14. Vancomycin Resistant Enterococci Prevalence, Antibiotic Susceptibility Patterns and Colonization Risk Factors Among HIV-Positive Patients in Health-Care Facilities in Debre Berhan Town, Ethiopia.
15. Enterococcus species: insights into antimicrobial resistance and whole-genome features of isolates recovered from livestock and raw meat in Ghana.
16. Therapeutic drug monitoring of vancomycin in the case of augmented renal clearance: a case report of a paediatric patient.
17. In-Office Vitreous Biopsy With a Vitreous Cutter and Manual Actuation.
18. Citrobacter koseri, an unusual exogenous endoftalmitis.
19. Clinical and microbiological characteristics of Ruminococcus gnavus bacteremia and intra-abdominal infection.
20. Spondylodiscitis following perforated acute appendicitis in a 14-year-old female: A case report.
21. GSH/pH Cascade-Responsive Nanoparticles Eliminate Methicillin-Resistant Staphylococcus aureus Biofilm via Synergistic Photo-Chemo Therapy.
22. Antimicrobial resistance patterns of WHO priority pathogens isolated in hospitalized patients in Japan: A tertiary center observational study.
23. Does Topical Vancomycin Powder Use in Fracture Surgery Change Bacteriology and Antibiotic Susceptibilities? An Analysis of the VANCO Trial.
24. Measuring and improving the timeliness of vancomycin therapeutic drug monitoring and potential patient safety impacts.
25. Absence of Synergism between a Dual-AMP Biogel and Antibiotics Used as Therapeutic Agents for Diabetic Foot Infections.
26. Biotechnological Potential and Safety Evaluation of Dextran- and Riboflavin-Producing Weisella cibaria Strains for Gluten-Free Baking.
27. A Real-World Data Derived Pharmacovigilance Assessment on Drug-Induced Nephropathy: Implication on Gaps in Patient Care.
28. The Impact of Metal and Heavy Metal Concentrations on Vancomycin Resistance in Staphylococcus aureus within Milk Produced by Cattle Farms and the Health Risk Assessment in Kurdistan Province, Iran.
29. Detection of oxalyl-CoA decarboxylase (oxc) and formyl-CoA transferase (frc) genes in novel probiotic isolates capable of oxalate degradation in vitro.
30. Transfer and accumulation of antibiotic resistance genes and bacterial pathogens in the mice gut due to consumption of organic foods.
31. Ecological prevalence, genetic diversity, and multidrug resistance of Salmonella enteritidis recovered from broiler and layer chicken farms.
32. Effects of vancomycin and tobramycin on compressive and tensile strengths of antibiotic bone cement: A biomechanical study.
33. Prophylaxis Effect of Metronidazole Vaginal Gel in Decreasing the Risk of Surgical Site Infections after Elective Hysterectomy.
34. Masquelet Procedure for the Treatment of Intra-articular Defects of the Wrist.
35. Acute Generalized Exanthematous Pustulosis in a Hemodialysis Patient.
36. Antibiotic resistance determination using Enterococcus faecium whole-genome sequences: a diagnostic accuracy study using genotypic and phenotypic data.
37. Seraph 100 Microbind Affinity Blood Filter does not clear antibiotics: an analysis of antibiotic concentration data from PURIFY-OBS.
38. Loss of Mptx2 alters bacteria composition and intestinal homeostasis potentially by impairing autophagy.
39. The anti-inflammatory and anti-apoptotic effects of Achillea millefolium L. extracts on Clostridioides difficile ribotype 001 in human intestinal epithelial cells.
40. Simultaneous determination of amphotericin B, tobramycin and vancomycin in rabbit ocular biofluids and tissues by LC-MS/MS: An antimicrobial therapy for keratitis and its PK-PD application.
41. Off-label oritavancin treatment outcome and molecular characterization of a vancomycin- and linezolid-resistant Enterococcus faecium causing liver abscesses.
42. Metal-free carbon-based anode for electrochemical degradation of tetracycline and metronidazole in wastewater.
43. Application of artificial intelligence for the optimization of advanced oxidation processes to improve the water quality polluted with pharmaceutical compounds.
44. Efficacy of a 2-week therapy with levofloxacin concomitant versus a levofloxacin sequential regimen for Helicobacter pylori infection in the Syrian population: a study protocol for randomized controlled trial.
45. Impact of Limiting Vancomycin Loading Doses in Patients With Methicillin-resistant Staphylococcus aureus Infections After Hospital Protocol Revision.
46. Antibiotic Stewardship: A Handshaking Strategy Among Physicians and Pharmacists to Improve therapeutic Outcomes in Hematology-Oncology.
47. Insight into the Burden of Antimicrobial Resistance among Bacterial Pathogens Isolated from Patients Admitted in ICUs of a Tertiary Care Hospital in India.
48. Population pharmacokinetics and individualized dosing of vancomycin for critically ill patients receiving continuous renal replacement therapy: the role of residual diuresis.
49. Prophylactic use of vancomycin powder on postoperative infection after total joint arthroplasty.
50. Efficacy of delafloxacin alone and in combination with cefotaxime against cefotaxime non-susceptible invasive isolates of Streptococcus pneumoniae.
51. Preparation of Nano-Medicine to Eliminate Helicobacter pylori Infection.
52. Molecular Characterization of Enterococcus faecalis and Enterococcus faecium Isolated from a Meat Source in Shahrekord Local Markets, Iran.
53. A rapid and simple HPLC-MS/MS method for the therapeutic drug monitoring of six special-grade antimicrobials in pediatric patients.
54. High Gastrointestinal Colonization Rate of Vancomycin-Resistant Enterococci among Hospitalized Patients: Potential Source for Resistant Gene.
55. Cost-effectiveness of linezolid to ventilator-associated pneumonia in Colombia.
56. Treatment seeking and antibiotic use for urinary tract infection symptoms in the time of COVID-19 in Tanzania and Uganda.
57. Complete Biochemical Remission With Oral Vancomycin in a Patient With Primary Sclerosing Cholangitis and High Serum Immunoglobulin G4 Levels.
58. Using whole genome sequencing to characterize Clostridioides difficile isolates at a tertiary center in Melbourne, Australia.
59. A Systematic Review of the Microbial Landscape of Diabetic Foot Ulcers in Uganda.
60. Injectable Nano-Micro Composites with Anti-bacterial and Osteogenic Capabilities for Minimally Invasive Treatment of Osteomyelitis.
61. Does the use of antimicrobials in different periodontal treatment strategies result in better treatment outcomes? - A radiographic analysis.
62. Subacute Neurotoxicity as an Adverse Reaction to Ceftazidime: A Case Report.
63. Nonoperative Treatment of Diverticulitis and Appendicitis: Which Antibiotic Regimen Fails?
64. Dextran-Based Injectable Hydrogel Composites for Bone Regeneration.
65. Effects of Vancomycin Subtherapeutic Concentration on Staphylococcus aureus Isolated from Hemodialysis Patients with Low Serum Trough Concentrations.
66. Storage stability of lysostaphin solution and its pulmonary delivery.
67. Computational Study of Antimicrobial Peptides for Promising Therapeutic Applications Against Methicillin-resistant Staphylococcus Aureus.
68. Whole-genome long-read sequencing to unveil Enterococcus antimicrobial resistance in dairy cattle farms exposed a widespread occurrence of Enterococcus lactis.
69. Antimicrobial Agent Functional Gold Nanocluster-Mediated Multichannel Sensor Array for Bacteria Sensing.
70. Antibiotic resistance in Helicobacter pylori among children and adolescents in East Asia: A systematic review and meta-analysis.
71. A comparison of antimicrobial regimen outcomes and antibiogram development in microbial keratitis: a prospective cohort study in Alexandria, Egypt.
72. Nut Cracked? Does the ACORN Trial End the Debate Surrounding Vancomycin and Piperacillin-Tazobactam Combination Therapy and Increased Risk for Acute Kidney Injury?
73. Brain abscess caused by Actinomyces turicensis in a non-immunocompromised adult patient: a case report and systematic review of the literature.
74. Oral minocycline as systemic therapy for uncomplicated venous access device-related bloodstream infection with coagulase-negative staphylococci after allogeneic hematopoietic cell transplantation.
75. Broad-spectrum antibiotic prophylaxis in tumor and infected orthopedic surgery-the prospective-randomized, microbiologist-blinded, stratified, superiority trials: BAPTIST Trials.
76. Double-tube burr hole irrigation in the treatment of subdural empyema following chronic subdural hematoma surgery: A case report.
77. Multicolor emissive carbon dot-based fluorometric analysis platform for rapid quantification and discrimination of nitroimidazole antibiotic residues.
78. Multiple electrolytes imbalances in a patient with inflammatory bowel disease associated with vitamin D deficiency: a case report.
79. Antimicrobial activity and mechanism of anti-MRSA of phloroglucinol derivatives.
80. Role of membrane vesicles in the transmission of vancomycin resistance in Enterococcus faecium.
81. Implementation of vancomycin AUC/MIC dosing vs traditional trough dosing and incidence of acute kidney injury at a rural community hospital.
82. Vancomycin-Polyguanidino Dendrimer Conjugates Inhibit Growth of Antibiotic-Resistant Gram-Positive and Gram-Negative Bacteria and Eradicate Biofilm-Associated S. aureus.
83. Association between piperacillin/tazobactam use and acute kidney injury in critically ill patients: a retrospective multicentre cohort study.
84. Hematological Adverse Events Associated with Anti-MRSA Agents: A Real-World Analysis Based on FAERS.
85. Impact of change in vancomycin-resistant Enterococcus infection prevention policy.
86. Vancomycin AUC-Based Dosing Practices in a Non-Teaching Community Hospital and Associated Outcomes: A One-Year Survey of Uniform Targets for Infections with or without MRSA.
87. Microporous Polymer-Modified Glassy Carbon Electrodes for the Electrochemical Detection of Metronidazole: Experimental and Theoretical Insights.
88. Photocatalytic Removal of Metronidazole Antibiotics from Water Using Novel Ag-N-SnO(2) Nanohybrid Material.
89. Partial oral versus full intravenous antibiotic treatment of endocarditis in people who inject drugs: A systematic review.
90. Delayed-Onset Endophthalmitis after Intravitreal Aflibercept Injection.
91. Rapid Detection and Identification of Vancomycin-Sensitive Bacteria Using an Electrochemical Apta-Sensor.
92. Model-Informed Precision Dosing Improves Outcomes in Patients Receiving Vancomycin for Gram-Positive Infections.
93. Substance use disorder-associated infections' treatment with dalbavancin enabling outpatient transition (SUDDEN OUT) - an investigator-initiated single-arm unblinded prospective cohort study.
94. Comparison of the Effectiveness of Four Different Irrigation Solutions on Postoperative Sequelae in Patients Undergoing Lower Third Molar Surgery: A Prospective Study.
95. Aggregation-Resistant, Turn-On-Off Fluorometric Sensing of Glutathione and Nickel (II) Using Vancomycin-Conjugated Gold Nanoparticles.
96. Jugiones A-D: Antibacterial Xanthone-Anthraquinone Heterodimers from Australian Soil-Derived Penicillium shearii CMB-STF067.
97. Successful Clinical Avoidance of Colorectal Anastomotic Leakage through Local Decontamination.
98. Investigation of the Effect of Swelling on the Diffusion Properties of Polyethylene Glycol Hydrogel for Wound Healing Applications.
99. Uncovering the biotechnological capacity of marine and brackish water Planctomycetota.
100. Risk of fibromyalgia following antibiotic prescriptions: A population-based case-control study.
101. Population Pharmacokinetics and Model-Based Dose Optimization of Vancomycin in Sudanese Adult Patients with Renal Impairment.
102. In vitro antibacterial activity of antiretroviral drugs on key commensal bacteria from the human microbiota.
103. Correction to: Long-term carriage and evolution of vancomycin-resistant Enterococcus faecium: a genomic study on consecutive isolates.
104. Association of piperacillin and vancomycin exposure on acute kidney injury during combination therapy.
105. Association between multidrug-resistant bacteria and outcomes in intensive care unit patients: a non-interventional study.
106. Antibiotic use at planned central line removal in reducing neonatal post-catheter removal sepsis: a systematic review and meta-analysis.
107. DNases improve effectiveness of antibiotic treatment in murine polymicrobial sepsis.
108. AgrA directly binds to the promoter of vraSR and downregulates its expression in Staphylococcus aureus.
109. Comparison of morbidity and mortality after bloodstream infection with vancomycin-resistant versus -susceptible Enterococcus faecium: A nationwide cohort study in Denmark, 2010-2019.
110. PBPK Modeling Approach to Predict the Behavior of Drugs Cleared by Metabolism in Pregnant Subjects and Fetuses.
111. Pharmacokinetic Interpretation of Applying Local Drug Delivery System for the Treatment of Deep Surgical Site Infection in the Spine.
112. Enterococci, Van Gene-Carrying Enterococci, and Vancomycin Concentrations in the Influent of a Wastewater Treatment Plant in Southeast Germany.
113. The Prevalence, Epidemiological, and Molecular Characterization of Methicillin-Resistant Staphylococcus aureus (MRSA) in Macau (2017-2022).
114. Which Gelatin and Antibiotic Should Be Chosen to Seal a Woven Vascular Graft?
115. Pro-Inflammatory Cytokines Enhanced In Vitro Cytotoxic Activity of Clostridioides difficile Toxin B in Enteric Glial Cells: The Achilles Heel of Clostridioides difficile Infection?
116. Cross-border differences in the prevalence and risk factors for carriage of antimicrobial resistance in children attending daycare centers: a point prevalence study in the Netherlands and Belgium.
117. Infectious keratitis following corneal transplantation: A long-term cohort study.
118. Endoscopic retrograde cholangiopancreatography-obtained bile culture in acute cholangitis: retrospective analysis of bile cultures and risk factors in a tertiary care center.
119. Evaluation of the antimicrobial efficacy of different nonsteroidal anti-inflammatory drugs alone or in combination with calcium hydroxide intracanal medicament: an in vitro study.
120. Metronidazole-induced encephalopathy after living donor liver transplantation.
121. Drug resistance patterns and genotype associations of Trichomonas gallinae in meat pigeons (Columba livia): insights from Guangdong Province, China.
122. [Determination of Capsule Types, Antibiotic Resistance Profiles and Phylogenetic Relationships of Group B Streptococcus Isolates Isolated from Patients Followed in Various Clinics and Polyclinics].
123. Long-term debridement effect of denervated large sacrococcygeal pressure injury: A case report.
124. Uropathogenic distribution and antibiotic resistance patterns according to multidrug-resistant bacteria colonization status in patients with stroke.
125. Crystal structure of vancomycin bound to the resistance determinant D-alanine-D-serine.
126. Removal efficiencies of seven frequently detected antibiotics and related physiological responses in three microalgae species.
127. The Impact of Various Poly(vinylpyrrolidone) Polymers on the Crystallization Process of Metronidazole.
128. Methicillin-Resistant Staphylococcus aureus (MRSA) in a Tertiary Care Hospital in Kuwait: A Molecular and Genetic Analysis.
129. Independent Risk Factors Predicting Eradication Failure of Hybrid Therapy for the First-Line Treatment of Helicobacter pylori Infection.
130. Antibacterial Activities of Ag/Cellulose Nanocomposites Derived from Marine Environment Algae against Bacterial Tooth Decay.
131. Antibiotic Resistance to Molecules Commonly Prescribed for the Treatment of Antibiotic-Resistant Gram-Positive Pathogens: What Is Relevant for the Clinician?
132. Selective and Concentrative Enteropancreatic Recirculation of Antibiotics by Pigs.
133. Antibiofilm and Antivirulence Properties of 6-Polyaminosteroid Derivatives against Antibiotic-Resistant Bacteria.
134. Clinical characteristics and prognosis of pediatric Listeria monocytogenes meningitis based on 10-year data from a large children's hospital in China.
135. Combination of Doxycycline with Metronidazole Protects against Pyroptosis in Rats with Endometritis through the Modulation of TLR4/NF-κB Pathway.
136. Rapid and Effective Treatment of Peritonitis in Peritoneal Dialysis Patients with Intravenous Dalbavancin.
137. Rapid and ultra-sensitive lateral flow assay for pathogens based on multivalent aptamer and magnetic nanozyme.
138. Geographical distribution of antimicrobial exposure among very preterm and very low birth weight infants: A nationwide database study in Japan.
139. Early Detection and Intervention for Hirschsprung's Disease: A Key to Successful Outcomes.
140. Vancomycin-variable enterococci in sheep and cattle isolates and whole-genome sequencing analysis of isolates harboring vanM and vanB genes.
141. Biofilm forming multidrug resistant Staphylococcus aureus of dairy origin: molecular and evolutionary perspectives.
142. EFFECT OF MECHANICAL VIBRATION ON KINETICS OF SOLUTE ADSORPTION.
143. Zein and hydroxypropyl methylcellulose acetate succinate microfibers combined with metronidazole benzoate and/or metronidazole-incorporated cellulose nanofibrils for potential periodontal treatment.
144. The active ingredients in Chinese peony pods synergize with antibiotics to inhibit MRSA growth and biofilm formation.
145. Epidemiology of Vancomycin in Combination With Piperacillin/Tazobactam-Associated Acute Kidney Injury in Children: A Systematic Review and Meta-analysis.
146. Potential public health hazards related to consumption of poultry contaminated with antibiotic resistant Listeria monocytogenes in Egypt.
147. Association Between Risk of Clostridium difficile Infection and Duration of Proton Pump Inhibitor or H2-Receptor Antagonist Use in Hospitalized Patients.
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FMT/ Fecal Microbiota Transplant

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CMC

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Guidelines

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5. Regulatory workshop on challenge strain development and GMP manufacture - A stakeholder meeting report.
6. Maternal occupational exposure to carbonaceous nanoscale particles and neurodevelopmental outcomes in early childhood: Analysis of the French Longitudinal Study of children - Elfe study.

Non-toxigenic C. difficile

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3. Emerging Pathogens in Planetary Health and Lessons from Comparative Genome Analyses of Three Clostridia Species.
4. Intestinal bile acids provide a surmountable barrier against C. difficile TcdB-induced disease pathogenesis.
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6. Platelets promote human macrophages-mediated macropinocytosis of Clostridioides difficile.

MGB

Other news of possible interest