



UK Health
Security
Agency

Infection Current Awareness Update

29 Apr 2024

Welcome to the weekly **Infection Current Awareness Update** (ICAU), produced by **UKHSA Knowledge and Library Services**. The purpose of this update is to provide you with the latest, best evidence about infection, to help you make informed decisions.

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Please note that not all the articles and resources referred to in this alert are freely available. Some articles may require an Athens username and password. For further information on Athens accounts please visit [here](#). If you are not eligible to access our library services, then you may want to approach your **local NHS library service**.

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- **Clinical Microbiology Reviews**
- **Current Opinion in Microbiology**
- **Diagnostic Microbiology and Infectious Disease**
- **Emerging Infectious Diseases Journal - CDC**
- **European Journal of Clinical Microbiology and Infectious Disease**

- Eurosurveillance
- Infection
- Infection Control & Hospital Epidemiology
- International Journal of Infectious Diseases
- Journal of Clinical Microbiology
- Journal of Hospital Infection
- Journal of Infection
- Journal of Medical Microbiology
- Journal of Microbiology, Immunology and Infection
- The Lancet
- The Lancet: Infectious Diseases
- Morbidity and Mortality Weekly Report
- Nature Reviews Microbiology
- NEJM Journal Watch: Infectious Diseases

UKHSA affiliation

- [UKHSA Affiliation](#)

COVID-19 related research

COVID-19 infection

1. [Articles] Machine learning to understand risks for severe COVID-19 outcomes: a retrospective cohort study of immune-mediated inflammatory diseases, immunomodulatory medications, and comorbidities in a large US health-care system

25-04-2024 - Elsevier

Our results suggest that age, chronic comorbidities, and not being fully vaccinated might be greater risk factors for severe COVID-19 outcomes in patients with IMIDs than the use of IMM or the IMIDs themselves. Overall, there is a need to take age and comorbidities into consideration when developing COVID-19 guidelines for patients with IMIDs. Further research is needed for specific IMIDs ... [Read more...](#)

2. [Correspondence] Effectiveness of XBB.1.5 vaccines and antiviral drugs against severe outcomes of omicron infection in the USA

04-03-2024 - Elsevier

In the fall of 2023, the US Food and Drug Administration (FDA) authorised the use of the updated Moderna (Sept 11), Pfizer-BioNTech (Sept 11), and Novavax (Oct 3) COVID-19 vaccines containing a monovalent component of the XBB.1.5 variant “to provide better protection against serious consequences of COVID-19, including hospitalization and death”, with neither the FDA nor the companies ... [Read more...](#)

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Infection-related journals

American Journal of Infection Control

1. Effects of individual and environmental factors on COVID-19 infection control practices in small to medium-sized hospitals

25-04-2024 - Elsevier

This study analyzed the influence of individual and environmental factors on infection control practices among nurses in small to medium-sized hospitals of South Korea during the pandemic. [Read more...](#)

2. Detecting Contamination Events during Robotic Total Joint Arthroplasty

23-04-2024 - Elsevier

Robot-assisted total joint arthroplasty (robotic-TJA) has become more widespread over the last 20 years due to higher patient satisfaction and reduced complications. However, robotic-TJA may have longer operative times and increased operating room traffic, which are known risk factors for contamination events. Contamination of surgical instruments may be contact- or airborne-related with ... [Read more...](#)

3. Disinfection of needleless connectors for catheters in one second using a hand-held UV device

22-04-2024 - Elsevier

The standard of care for disinfecting needleless connectors (NCs) of central venous catheters includes alcohol-containing caps or up to a 15-second scrub with alcohol or chlorhexidine. Due to the clinical impact and high cost of treating Central line-associated bloodstream infections (CLABSI), reducing the incidence of CLABSI is a priority for public health and of the CDC. [Read more...](#)

4. Factors influencing nursing professionals' adherence to facial protective equipment usage: A comprehensive review

22-04-2024 - Elsevier

Facial protective equipment (FPE) adherence is necessary for the health and safety of nursing professionals. This review was conducted to synthesize predisposing, enabling, and reinforcing factors that influence FPE adherence, and thus inform efforts to promote adherence. [Read more...](#)

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BMJ Quality & Safety

1. Interrupting false narratives: applying a racial equity lens to healthcare quality data

24-04-2024 - British Medical Journal

Introduction Across the globe, awareness of racial and ethnic health inequities and the need for healthcare systems to address them are growing.¹ In many countries, teams working in healthcare institutions are encouraged to stratify quality metrics by race and ethnicity as part of the movement to identify and disrupt health inequities.² The lack of standard definitions for race and ethnicity ... [Read more...](#)

2. Equitable and accessible informed healthcare consent process for people with intellectual disability: a systematic literature review

24-04-2024 - British Medical Journal

Objective To identify factors acting as barriers or enablers to the process of healthcare consent for people with intellectual disability and to understand how to make this process equitable and accessible. Data sources Databases: Embase, MEDLINE, PsychINFO, PubMed, SCOPUS, Web of Science and CINAHL. Additional articles were obtained from an ancestral search and hand-searching three journals. [Read more...](#)

3. Quality framework for remote antenatal care: qualitative study with women, healthcare professionals and system-level stakeholders

24-04-2024 - British Medical Journal

Background High-quality antenatal care is important for ensuring optimal birth outcomes and reducing risks of maternal and fetal mortality and morbidity. The COVID-19 pandemic disrupted the usual provision of antenatal care, with much care shifting to remote forms of provision. We aimed to characterise what quality would look like for remote antenatal care from the perspectives of those who ... [Read more...](#)

4. What and when to debrief: a scoping review examining interprofessional clinical debriefing

24-04-2024 - *British Medical Journal*

Introduction Clinical debriefing (CD) improves teamwork and patient care. It is implemented across a range of clinical contexts, but delivery and structure are variable. Furthermore, terminology to describe CD is also inconsistent and often ambiguous. This variability and the lack of clear terminology obstructs understanding and normalisation in practice. This review seeks to examine the ... [Read more...](#)

5. Economic analysis of surgical outcome monitoring using control charts: the SHEWHART cluster randomised trial

24-04-2024 - *British Medical Journal*

Importance Surgical complications represent a considerable proportion of hospital expenses. Therefore, interventions that improve surgical outcomes could reduce healthcare costs. Objective Evaluate the effects of implementing surgical outcome monitoring using control charts to reduce hospital bed-days within 30 days following surgery, and hospital costs reimbursed for this care by the insurer. [Read more...](#)

6. Delayed diagnosis of serious paediatric conditions in 13 regional emergency departments

24-04-2024 - *British Medical Journal*

Objective To evaluate rates, risk factors and outcomes of delayed diagnosis of seven serious paediatric conditions. Methods This was a retrospective, cross-sectional study of children under 21 years old visiting 13 community and tertiary emergency departments (EDs) with appendicitis, bacterial meningitis, intussusception, mastoiditis, ovarian torsion, sepsis or testicular torsion. [Read more...](#)

7. Routine versus prompted clinical debriefing: aligning aims, mechanisms and implementation

24-04-2024 - *British Medical Journal*

The great art of learning is to understand but little at a time. --John Locke Clinical debriefing (CD) is rapidly gaining traction as a valuable activity. CD is usually conducted as a guided exploration and reflection of clinical events in an attempt to bridge the gap between experience and understanding, with the ultimate aim of influencing future practice.¹ CD has the potential to improve ... [Read more...](#)

8. It is up to healthcare professionals to talk to us in a way that we can understand: informed consent processes in people with an intellectual disability

24-04-2024 - *British Medical Journal*

People with an intellectual disability form a sizeable minority group. Estimates of prevalence vary, depending on criteria used, but it is thought that intellectual disability affects around 1%-2% of the world population.^{1 2} Intellectual disability is present when the following three criteria are met: a significantly reduced ability to understand new or complex information, ... [Read more...](#)

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1. Rapid diagnostic tests and antimicrobial stewardship programs for the management of bloodstream infection: What is their relative contribution to improving clinical outcomes? A systematic review and network meta-analysis

27-04-2024 - Oxford University Press

[Read more...](#)

2. The impact of pre-transplant respiratory virus detection on post-transplant outcomes in children undergoing hematopoietic cell transplantation

26-04-2024 - Oxford University Press

In pediatric myeloablative allogeneic hematopoietic cell transplantation recipients, pre-transplant symptomatic upper respiratory tract infections, including human rhinovirus virus is associated with increased duration of hospitalization after transplant in univariable models. [Read more...](#)

3. Bictegravir Use During Pregnancy: A Multi-Center Retrospective Analysis Evaluating HIV Viral Suppression and Perinatal Outcomes

26-04-2024 - Oxford University Press

[Read more...](#)

4. Correction to: Antibiotic Myths for the Infectious Diseases Clinician

26-04-2024 - Oxford University Press

[Read more...](#)

5. Trends in mortality in people with HIV from 1999 to 2020: a multi-cohort collaboration

26-04-2024 - Oxford University Press

Age-standardized and adjusted mortality rates among people with HIV have declined substantially over time from 1999 through 2020, with the majority of decline observed in the period from 1999 through 2010 and relatively stable rates observed from 2010-2020. [Read more...](#)

6. Performance of Urinalysis Parameters in Predicting Urinary Tract Infection: Does One Size Fit all?

26-04-2024 - Oxford University Press

[Read more...](#)

7. Origin of Antimicrobial Therapy

26-04-2024 - Oxford University Press

Although the origin of the antimicrobial era is often ascribed to the early 20th century, in 1546 the Italian physician Fracastoro proposed that contagious diseases could be treated by administering agents designed to destroy specific disease-causing germs. [Read more...](#)

8. The growing threat of NDM-producing with penicillin-binding protein 3 mutations in the United States – is there a potential role for durlobactam?

25-04-2024 - Oxford University Press

[Read more...](#)

9. The Ethical Obligation to Treat Infectious Patients: A Systematic Review of Reasons

24-04-2024 - Oxford University Press

The obligation to provide treatment to infectious patients has been debated by ethicists for the past century. In this review article, we found that ethics articles during COVID-19 were less likely to argue for a duty to treat. [Read more...](#)

10. Executive Summary: Fostering Collaborative Teamwork—A Comprehensive Approach to Vascular Graft Infection Following Arterial Reconstructive Surgery

24-04-2024 - Oxford University Press

[Read more...](#)

11. Make modern microbiology matter more in the 2023 ESC guidelines for the management of infective endocarditis

24-04-2024 - Oxford University Press

[Read more...](#)

12. PrEP for Transgender People: A Systematic review

24-04-2024 - Oxford University Press

[Read more...](#)

13. A novel risk-adjusted metric to compare hospitals on their antibiotic-prescribing at hospital discharge

24-04-2024 - Oxford University Press

We developed a model using electronically available data to predict antibiotics prescribed at hospital discharge. A risk-adjusted metric based on this model showed that some hospitals are more successful in reducing antibiotic overuse at this transition of care.

[Read more...](#)

14. Doxycycline Post-exposure Prophylaxis and Sexually Transmitted Infections in Italy, 2023

24-04-2024 - Oxford University Press

[Read more...](#)

15. An HIV-1 risk assessment tool for women aged 15-49 in African countries: A pooled analysis across 15 nationally representative surveys

24-04-2024 - Oxford University Press

We developed an HIV-1 risk assessment tool to guide focused pre-exposure prophylaxis delivery for 118 million women aged 15-49 in 15 African countries. With only two variables, the tool was highly predictive, though there were tradeoffs between reach and efficiency. [Read more...](#)

16. Safety and Immunogenicity of Accelerated Heterologous Two-dose Ebola Vaccine Regimens in Adults With and Without HIV in Africa

24-04-2024 - Oxford University Press

[Read more...](#)

17. Lower specificity of the ESC2023 diagnostic criteria for infective endocarditis when spondylodiscitis is regarded as a vascular phenomenon

24-04-2024 - Oxford University Press

[Read more...](#)

18. Otitis in patients with Community-Acquired Bacterial Meningitis: A Nationwide Prospective Cohort Study

24-04-2024 - Oxford University Press

In adults, community-acquired bacterial meningitis often involves otitis, with the leading pathogen being . The presence of otitis is associated with a favorable outcome, however the impact of ear surgery on the outcome remains unclear. [Read more...](#)

19. Fostering Collaborative Teamwork—A Comprehensive Approach to Vascular Graft Infection Following Arterial Reconstructive Surgery

24-04-2024 - Oxford University Press

[Read more...](#)

20. Undernourished Household Contacts Are at Increased Risk of Tuberculosis (TB) Disease, but not TB Infection— a Multicenter Prospective Cohort Analysis

23-04-2024 - Oxford University Press

Undernutrition is associated with increased risk of tuberculosis (TB) disease but not TB infection among household contacts of persons with TB. [Read more...](#)

21. Changes in the Appropriateness of US Outpatient Antibiotic Prescribing After the Coronavirus Disease 2019 Outbreak: An Interrupted Time Series Analysis of 2016–2021 Data

22-04-2024 - Oxford University Press

In this analysis of commercial and Medicare Advantage claims, the proportion of US enrollees with ≥ 1 inappropriate antibiotic prescription declined after the COVID-19 outbreak but rebounded to prepandemic levels by December 2021, underscoring the continued importance of antibiotic stewardship initiatives. [Read more...](#)

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Clinical Microbiology and Infection

1. Implications from COVID-19 for future pandemic global health governance

27-04-2024 - Ovid

Author Names: Lazarus J.V., Pujol-Martinez C., Kopka C.J., Batista C., El-Sadr W.M., Saenz R., El-Mohandes A. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Implications from COVID-19 for future pandemic global health governance Year: 2024 Issue: 5 Volume: 30 Abstract: Background: Limitations of current ... [Read more...](#)

2. Aspergillus-specific IgG antibodies for diagnosing chronic pulmonary aspergillosis compared with the reference standard-author's reply

27-04-2024 - Ovid

Author Names: Salzer H.J.F., Lange C. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Aspergillus-specific IgG antibodies for diagnosing chronic pulmonary aspergillosis compared with the reference standard-author's reply Year: 2024 Issue: 5 Volume: 30 Abstract: External Resolver Links: <https://libkey>. [Read more...](#)

3. Dextrose-containing fluids causing false-positive serum galactomannan: a case-control study and interrupted time series analysis

27-04-2024 - Ovid

Author Names: Lee R., Yoo I.Y., Oh E.-J., Choi A.R., Nho D., Cho S.-Y., Lee J., Ahn H.L., Park Y.-J., Lee D.-G. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Dextrose-containing fluids causing false-positive serum galactomannan: a case-control study and interrupted time series analysis Year: 2024 Issue: 5 ... [Read more...](#)

4. Enrichment of *Bacteroides fragilis* and enterotoxigenic *Bacteroides fragilis* in CpG island methylator phenotype-high colorectal carcinoma

27-04-2024 - Ovid

Author Names: Takashima Y., Kawamura H., Okadome K., Ugai S., Haruki K., Arima K., Mima K., Akimoto N., Nowak J.A., Giannakis M., Garrett W.S., Sears C.L., Song M., Ugai T., Ogino S. Database Source: Embase Weekly Updates Journal Title: Clinical

Microbiology and Infection, Clinical Microbiology and Infection Article Title: Enrichment of Bacteroides fragilis and enterotoxigenic Bacteroides fragilis in CpG ... [Read more...](#)

5. Safeguarding COVID-19 vaccines: establishing the safety of novel vaccine platforms

27-04-2024 - Ovid

Author Names: Shasha D. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Safeguarding COVID-19 vaccines: establishing the safety of novel vaccine platforms Year: 2024 Issue: 5 Volume: 30 Abstract: External Resolver Links: [https://libkey.io/libraries/1814/openurl?sid=OVID:emexb&genre=article&id=pmid:383 ...](https://libkey.io/libraries/1814/openurl?sid=OVID:emexb&genre=article&id=pmid:383...) [Read more...](#)

6. Frequency of fungal pathogens in autopsy studies of people who died with HIV in Africa: a scoping review

27-04-2024 - Ovid

Author Names: Bongomin F., Kibone W., Atulinda L., Morgan B., Ocansey B., Storer I.S.R., van Rhijn N., Muzoora C., Denning D.W., Hamer D.H. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Frequency of fungal pathogens in autopsy studies of people who died with HIV in Africa: a scoping review Year: 2024 Issue: ... [Read more...](#)

7. Stuck in pandemic uncertainty: a review of the persistent effects of COVID-19 infection in immune-deficient people

27-04-2024 - Ovid

Author Names: Manuelpillai B., Zendt M., Chang-Rabley E., Ricotta E.E. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Stuck in pandemic uncertainty: a review of the persistent effects of COVID-19 infection in immune-deficient people Year: 2024 Issue: Volume: Abstract: Background: People who are ... [Read more...](#)

8. Major cardiovascular events after COVID-19 in people with HIV

27-04-2024 - Ovid

Author Names: Martin-Iguacel R., Moreno-Fornes S., Bruguera A., Aceiton J., Nomah D.K., Gonzalez-Cordon A., Domingo P., Curran A., Imaz A., Juanola D.D., Peraire J., Borjabad B., Fernandez L.A., Johansen I.S., Miro J.M., Casabona J., Llibre J.M. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Major cardiovascular ... [Read more...](#)

9. Lack of detection of Klebsiella aerogenes sub-species in lung infection by the BioFire FilmArray Pneumonia Panel plus

27-04-2024 - Ovid

Author Names: Nicolau-Guillaumet N., Dortet L., Jacquemin A., Mourvillier B., Muggeo A., Guillard T. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Lack of detection of Klebsiella aerogenes sub-species in lung infection by the BioFire FilmArray Pneumonia Panel plus Year: 2024 Issue: 5 Volume: 30 Abstract: ... [Read more...](#)

10. Time to positivity is a risk factor for death among patients with bloodstream infections: a population-based cohort

27-04-2024 - Ovid

Author Names: Laupland K.B., Edwards F., Dettrick Z., Harris P.N.A. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Time to positivity is a risk factor for death among

patients with bloodstream infections: a population-based cohort Year: 2024 Issue: Volume: Abstract: Objectives: Studies examining time to ... [Read more...](#)

11. Tiny trematode bobbing its head

27-04-2024 - Ovid

Author Names: Biswal D.,Mirdha B.R. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection,Clinical Microbiology and Infection Article Title: Tiny trematode bobbing its head Year: 2024 Issue: 5 Volume: 30 Abstract: External Resolver Links: <https://libkey.io/libraries/1814/openurl?sid=OVID:emexb&genre=article&id=pmid:38266709&id=doi:10.1016%2Fj.cmi.2024.01>. [Read more...](#)

12. Solid organ transplantation in SARS-CoV-2 positive recipients: a web-survey among ESGICH members

27-04-2024 - Ovid

Author Names: Lombardi A.,Grossi P. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection,Clinical Microbiology and Infection Article Title: Solid organ transplantation in SARS-CoV-2 positive recipients: a web-survey among ESGICH members Year: 2024 Issue: 5 Volume: 30 Abstract: External Resolver Links: <https://libkey.io/libraries/1814/openurl?sid=OVID:emexb> ... [Read more...](#)

13. Viral epidemic preparedness: a perspective from five clinical microbiology laboratories in Europe

27-04-2024 - Ovid

Author Names: Martinez M.J.,Cotten M.,Phan M.V.T.,Becker K.,Espasa M.,Leegaard T.M.,Lisby G.,Schneider U.V.,Casals-Pascual C. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection,Clinical Microbiology and Infection Article Title: Viral epidemic preparedness: a perspective from five clinical microbiology laboratories in Europe Year: 2024 Issue: 5 Volume: 30 ... [Read more...](#)

14. Bordetella pertussis isolates in Finland after acellular vaccination: serotype change and biofilm formation

27-04-2024 - Ovid

Author Names: Niinikoski V.,Barkoff A.-M.,Mertsola J.,He Q. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection,Clinical Microbiology and Infection Article Title: Bordetella pertussis isolates in Finland after acellular vaccination: serotype change and biofilm formation Year: 2024 Issue: 5 Volume: 30 Abstract: Objectives: In Finland, ... [Read more...](#)

15. Features of cryptococcosis among 652 HIV-seronegative individuals in France: a cross-sectional observational study (2005-2020)

27-04-2024 - Ovid

Author Names: Paccoud O.,Desnos-Ollivier M.,Persat F.,Demar M.,Boukris-Sitbon K.,Bellanger A.-P.,Bonhomme J.,Bonnal C.,Botterel F.,Bougnoux M.-E.,Brun S.,Cassaing S.,Cateau E.,Chouaki T.,Cornet M.,Dannaoui E.,Desbois-Nogard N.,Durieux M.-F.,Favennec L.,Fekkar A.,Gabriel F.,Gangneux J.-P.,Guitard J.,Hasseine L.,Huguenin A.,Le Gal S.,Letscher-Bru V.,Mahinc C.,Morio F.,Nicolas M.,Poirier P.,Ranque S. [Read more...](#)

16. Immunogenicity and safety of concomitant bivalent COVID-19 and quadrivalent influenza vaccination: implications of immune imprinting and interference

27-04-2024 - Ovid

Author Names: Choi M.J.,Yu Y.J.,Kim J.W.,Ju H.J.,Shin S.Y.,Yang Y.-J.,Cheong H.J.,Kim W.J.,Kim C.,Kim H.J.,Yoon S.K.,Park S.-J.,Gwak W.,Lee J.-W.,Kim B.,Song J.Y.

Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Immunogenicity and safety of concomitant bivalent COVID-19 and quadrivalent influenza ... [Read more...](#)

17. The impact of armed conflict on the development and global spread of antibiotic resistance: a systematic review

27-04-2024 - Ovid

Author Names: Granata G., Petersen E., Capone A., Donati D., Andriolo B., Gross M., Cicalini S., Petrosillo N. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: The impact of armed conflict on the development and global spread of antibiotic resistance: a systematic review Year: 2024 Issue: Volume: Abstract: ... [Read more...](#)

18. Gut microbiome diversity and composition in individuals with and without extended-spectrum beta-lactamase-producing Enterobacterales carriage: a matched case-control study in infectious diseases department

27-04-2024 - Ovid

Author Names: Boyd A., El Dani M., Ajrouche R., Demontant V., Cheval J., Lacombe K., Cosson G., Rodriguez C., Pawlotsky J.-M., Woerther P.-L., Surgers L. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Gut microbiome diversity and composition in individuals with and without extended-spectrum ... [Read more...](#)

19. Phage resistance in Klebsiella pneumoniae and bidirectional effects impacting antibiotic susceptibility

27-04-2024 - Ovid

Author Names: Nang S.C., Lu J., Yu H.H., Wickremasinghe H., Azad M.A.K., Han M., Zhao J., Rao G., Bergen P.J., Velkov T., Sherry N., McCarthy D.T., Aslam S., Schooley R.T., Howden B.P., Barr J.J., Zhu Y., Li J. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Phage resistance in Klebsiella pneumoniae and bidirectional ... [Read more...](#)

20. Which trial do we need? Empiric Glycopeptides plus clindamycin versus Oxazolidinones for suspected toxic shock and necrotizing soft tissue infections

27-04-2024 - Ovid

Author Names: Osowicki J., Hamilton F., Lee T.C., Marks M., McCreary E.K., McDonald E.G., Ryder J.H., Tong S.Y.C. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Which trial do we need? Empiric Glycopeptides plus clindamycin versus Oxazolidinones for suspected toxic shock and necrotizing soft tissue ... [Read more...](#)

21. Risk of cardiac conduction disorders, and pacemaker implantations among individuals tested for serum Borrelia burgdorferi antibodies, a nationwide, matched, population-based cohort study

27-04-2024 - Ovid

Author Names: Tetens M.M., Omland L.H., Dessau R.B., Ellermann-Eriksen S., Andersen N.S., Jorgensen C.S., Ostergaard C., Bodilsen J., Sogaard K.K., Bangsbo J., Nielsen A.C., Moller J.K., Chen M., Svendsen J.H., Obel N., Lebech A.-M. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, Clinical Microbiology and Infection Article Title: Risk of cardiac conduction ... [Read more...](#)

22. Re: 'Impact of the COVID-19 pandemic on antibiotic prescribing in high-prescribing primary care physicians in Switzerland' by Aghlmandi et al

27-04-2024 - Ovid

Author Names: Pluss-Suard C.,Mueller Y.,Plate A.,Senn O.,Kronenberg A. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection,Clinical Microbiology and Infection Article Title: Re: 'Impact of the COVID-19 pandemic on antibiotic prescribing in high-prescribing primary care physicians in Switzerland' by Aghlmandi et al Year: 2024 Issue: Volume: Abstract: [Read more...](#)

23. Intradermal delivery of the third dose of the mRNA-1273 SARS-CoV-2 vaccine: safety and immunogenicity of a fractional booster dose

27-04-2024 - Ovid

Author Names: Roozen G.V.T.,Prins M.L.M.,Prins C.,Janse J.J.,de Gruyter H.L.M.,Pothast C.R.,Huisman W.,Koopman J.P.R.,Lamers O.A.C.,Kuijjer M.,Myeni S.K.,van Binnendijk R.S.,Hartog G.D.,Heemskerk M.H.M.,Jochems S.P.,Feltkamp M.C.W.,Kikkert M.,Rosendaal F.R.,Roestenberg M.,Visser L.G.,Roukens A.H.E. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection, ... [Read more...](#)

24. Vaccination and the risk of post-acute sequelae after COVID-19 in the Omicron-predominant period

27-04-2024 - Ovid

Author Names: Huh K.,Kim Y.-E.,Bae G.H.,Moon J.Y.,Kang J.-M.,Lee J.,Bae J.-W.,Peck K.R.,Jung J. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection,Clinical Microbiology and Infection Article Title: Vaccination and the risk of post-acute sequelae after COVID-19 in the Omicron-predominant period Year: 2024 Issue: 5 Volume: 30 Abstract: Objectives: To ... [Read more...](#)

25. Anti-GM-CSF autoantibodies predict outcome of cryptococcal meningitis in patients not infected with HIV: A cohort study

27-04-2024 - Ovid

Author Names: Jiang Y.-K.,Zhou L.-H.,Cheng J.-H.,Zhu J.-H.,Luo Y.,Li L.,Zhu M.,Zhu R.-S.,Qiu W.-J.,Zhao H.-Z.,Wang X.,Huang J.-T.,Cornely O.A.,Zhang W.-H.,Zhu L.-P. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection,Clinical Microbiology and Infection Article Title: Anti-GM-CSF autoantibodies predict outcome of cryptococcal meningitis in patients not ... [Read more...](#)

26. Pandemic preparedness beyond COVID-19: what we know, what we do, and what we do not

27-04-2024 - Ovid

Author Names: Pericas J.M. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection,Clinical Microbiology and Infection Article Title: Pandemic preparedness beyond COVID-19: what we know, what we do, and what we do not Year: 2024 Issue: 5 Volume: 30 Abstract: External Resolver Links: <https://libkey.io/libraries/1814/openurl?sid=OVID:emexb&genre=article&id=pmid> ... [Read more...](#)

27. Which trial do we need? Randomized, placebo-controlled trial of antiviral treatment in patients hospitalized for influenza

27-04-2024 - Ovid

Author Names: Hosszu-Fellous K.,Vetter P.,Agoritsas T.,Kaiser L. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection,Clinical Microbiology and Infection Article Title: Which trial do we need? Randomized, placebo-controlled trial of antiviral treatment in patients hospitalized for influenza Year: 2024 Issue: 5 Volume: 30 Abstract: External Resolver Links: ... [Read more...](#)

28. Risk factors for invasive fungal infections after haematopoietic stem cell transplantation: a systematic review and meta-analysis

27-04-2024 - Ovid

Author Names: Biyun L.,Yahui H.,Yuanfang L.,Xifeng G.,Dao W. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection,Clinical Microbiology and Infection Article Title: Risk factors for invasive fungal infections after haematopoietic stem cell transplantation: a systematic review and meta-analysis Year: 2024 Issue: 5 Volume: 30 Abstract: Background: Invasive ... [Read more...](#)

29. Comparative safety analysis of mRNA and adenoviral vector COVID-19 vaccines: a nationwide cohort study using an emulated target trial approach

27-04-2024 - Ovid

Author Names: Choi M.J.,Na Y.,Hyun H.J.,Nham E.,Yoon J.G.,Seong H.,Seo Y.B.,Choi W.S.,Song J.Y.,Kim D.W.,Kim Y.-E.,Jung J.,Cheong H.J. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection,Clinical Microbiology and Infection Article Title: Comparative safety analysis of mRNA and adenoviral vector COVID-19 vaccines: a nationwide cohort study using an ... [Read more...](#)

30. European society of Clinical Microbiology and Infectious Diseases guidelines on diagnosis and treatment of brain abscess in children and adults

27-04-2024 - Ovid

Author Names: Bodilsen J.,D'Alessandris Q.G.,Humphreys H.,Iro M.A.,Klein M.,Last K.,Montesinos I.L.,Pagliano P.,Sipahi O.R.,San-Juan R.,Tattevin P.,Thurnher M.,de J. Trevino-Rangel R.,Brouwer M.C. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection,Clinical Microbiology and Infection Article Title: European society of Clinical Microbiology and Infectious ... [Read more...](#)

31. Characteristics, management and outcome of Herpes Simplex and Varicella-Zoster virus encephalitis: a multicentre prospective cohort study

27-04-2024 - Ovid

Author Names: Poussier L.,Mailles A.,Tattevin P.,Stahl J.-P.,Abgrall S.,Argaud L.,Argemi X.,Asseray N.,Baille G.,Baldolli A.,Biberon J.,Biron C.,Blanchet-Fourcade G.,Blot M.,Bonnetain A.,Botelho-Nevers E.,Bourdain F.,Boutoille D.,Brasme H.,Bruel C.,Bruneel F.,Buzele R.,Canoui E.,Casenave P.,Castan B.,Cazanave C.,Cazorla C.,Challan-Belval T.,Chavanet P.,Chirouze C.,Chroboczek T.,Courjon J. [Read more...](#)

32. Re: 'Aspergillus-specific IgG antibodies for diagnosing chronic pulmonary aspergillosis compared to the reference standard' by Salzer et al

27-04-2024 - Ovid

Author Names: Maula M.T.,Ray A. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection,Clinical Microbiology and Infection Article Title: Re: 'Aspergillus-specific IgG antibodies for diagnosing chronic pulmonary aspergillosis compared to the reference standard' by Salzer et al Year: 2024 Issue: 5 Volume: 30 Abstract: External Resolver Links: <https://libkey>. [Read more...](#)

33. What do clinicians mean by epidemics' preparedness

27-04-2024 - Ovid

Author Names: Bartoletti M.,Bussini L.,Bavaro D.F.,Cento V. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection,Clinical Microbiology and Infection Article Title: What do clinicians mean by epidemics' preparedness Year: 2024 Issue: 5 Volume: 30 Abstract: Background: Infectious disease pandemics and epidemics pose significant global threats, ... [Read more...](#)

34. Genetic factors associated with acquired phenotypic drug resistance and its compensatory evolution during tuberculosis treatment

27-04-2024 - Ovid

Author Names: Zhang G.,Sun X.,Fleming J.,Ran F.,Luo J.,Chen H.,Ju H.,Wang Z.,Zhao H.,Wang C.,Zhang F.,Dai X.,Yang X.,Li C.,Liu Y.,Wang Y.,Zhang X.,Jiang Y.,Wu Z.,Bi L.,Zhang H. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection,Clinical Microbiology and Infection Article Title: Genetic factors associated with acquired phenotypic drug resistance and its ... [Read more...](#)

35. Corrigendum to "European society of clinical microbiology and infectious diseases guidelines on diagnosis and treatment of brain abscess in children and adults" [Clin Microbiol and Infect 30(1) (2024 Jan) 66-89 Doi: 10.1016/j.cmi.2023.08.016] (Clinical Microbiology and Infection (2024) 30(1) (66-89), (S1198743X23003993), (10.1016/j.cmi.2023.08.016))

27-04-2024 - Ovid

Author Names: Bodilsen J.,D'Alessandris Q.G.,Humphreys H.,Iro M.A.,Klein M.,Last K.,Montesinos I.L.,Pagliano P.,Sipahi O.R.,San-Juan R.,Tattevin P.,Thurnher M.,de J. Trevino-Rangel R.,Brouwer M.C. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection,Clinical Microbiology and Infection Article Title: Corrigendum to "European society of clinical microbiology ... [Read more...](#)

36. Monetary incentives for vaccination: effectiveness and unintended consequences

27-04-2024 - Ovid

Author Names: Campos-Mercade P.,Schneider F.H. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection,Clinical Microbiology and Infection Article Title: Monetary incentives for vaccination: effectiveness and unintended consequences Year: 2024 Issue: Volume: Abstract: External Resolver Links: <https://libkey.io/libraries/1814/openurl?sid=OVID:emexb&genre=artic> ... [Read more...](#)

37. Dual beta-lactam therapy to improve treatment outcome in Mycobacterium abscessus disease

27-04-2024 - Ovid

Author Names: Pozuelo Torres M.,van Ingen J. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection,Clinical Microbiology and Infection Article Title: Dual beta-lactam therapy to improve treatment outcome in Mycobacterium abscessus disease Year: 2024 Issue: Volume: Abstract: Background: Antibiotic treatment of Mycobacterium abscessus disease is toxic and ... [Read more...](#)

38. Choosing immunomodulating therapies for the treatment of COVID-19: recommendations based on placebo-controlled trial evidence

27-04-2024 - Ovid

Author Names: Sweeney D.A.,Lobo S.M.,Povoa P.,Kalil A.C. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection,Clinical Microbiology and Infection Article Title: Choosing immunomodulating therapies for the treatment of COVID-19: recommendations based on placebo-controlled trial evidence Year: 2024 Issue: 5 Volume: 30 Abstract: Background: Immunomodulatory ... [Read more...](#)

39. First evidence of a mother-to-child transmission of an HIV-1/MO intergroup recombinant form

27-04-2024 - Ovid

Author Names: Vautrin M.,Tombette F.,Icard V.,Leoz M.,Trabaud M.-A.,Ouziel A.,Panetta L.,Lemee V.,Plantier J.-C.,Moisan A. Database Source: Embase Weekly Updates Journal Title: Clinical Microbiology and Infection,Clinical Microbiology and Infection Article Title:

First evidence of a mother-to-child transmission of an HIV-1/MO intergroup recombinant form Year: 2024 Issue: 5 Volume: 30 ... [Read more...](#)

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Clinical Microbiology Reviews

1. [Vaccines and monoclonal antibodies: new tools for malaria control](#)

24-04-2024 - American Society for Microbiology

Clinical Microbiology Reviews, Ahead of Print. [Read more...](#)

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Current Opinion in Microbiology

1. [PII-like signaling proteins: a new paradigm in orchestrating cellular homeostasis](#)

28-04-2024 - ScienceDirect

Publication date: June 2024 Source: Current Opinion in Microbiology, Volume 79 Author(s): Khaled A. Selim, Vikram Alva [Read more...](#)

2. [Phage transmission strategies: are phages farming their host?](#)

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Publication date: June 2024 Source: Current Opinion in Microbiology, Volume 79 Author(s): Yorben Casters, Leonard E Bäcker, Kevin Broux, Abram Aertsen [Read more...](#)

3. [Transcript tinkering: RNA modifications in protozoan parasites](#)

25-04-2024 - ScienceDirect

Publication date: June 2024 Source: Current Opinion in Microbiology, Volume 79 Author(s): Tiziano Vignolini, Justine E.C. Couble, Grégory R.G. Doré, Sebastian Baumgarten [Read more...](#)

4. [Cell wall synthesizing complexes in Mycobacteriales](#)

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Publication date: June 2024 Source: Current Opinion in Microbiology, Volume 79 Author(s): Fabian M Meyer, Marc Bramkamp [Read more...](#)

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Diagnostic Microbiology and Infectious Disease

1. [Molecular characterization of Treponema pallidum isolates from Brazil](#)

28-04-2024 - ScienceDirect

Publication date: Available online 27 April 2024 Source: Diagnostic Microbiology and Infectious Disease Author(s): Júlio Henrique Ferreira de Sá Queiroz, Tiago da Silva Ferreira, Bruno Fernandes Lima, Emily Vitória de Oliveira Perez, Cindi Daniele de Oliveira Mello, Simone Simionatto [Read more...](#)

2. [Nontyphoidal Salmonella Septic Arthritis in A Patient with Systemic Lupus Erythematosus: A Case Report](#)

28-04-2024 - ScienceDirect

Publication date: Available online 27 April 2024 Source: Diagnostic Microbiology and Infectious Disease Author(s): Dongjie Yu, Yuansen Luo, Linlin Sun [Read more...](#)

3. [Accuracy improvement enzyme-linked immunosorbent assay using superparamagnetic/polyethylene glycol\) nanoparticles for leishmaniasis diagnostic](#)

27-04-2024 - *ScienceDirect*

Publication date: Available online 26 April 2024
Source: Diagnostic Microbiology and Infectious Disease
Author(s): Maria Eduarda de Oliveira, Rahisa Scussel, Letícia Alves Borghezán, Paulo Emilio Feuser, Fernanda Fonseca Ramos, Mariana de Melo Cardoso, Ellen De Pieri, Gabriel Paulino Luiz, Nathalia Coral Galvani, Alexandre Gonçalves Dal-Bó, Eduardo Antônio Ferraz Coelho, ... [Read more...](#)

4. Using the CLSI rAST breakpoints of Enterobacterales in Positive Blood Cultures

27-04-2024 - *ScienceDirect*

Publication date: Available online 27 April 2024
Source: Diagnostic Microbiology and Infectious Disease
Author(s): Jin Deng, YunHe An, Mei Kang [Read more...](#)

5. Comprehensive assessment of circulatory miRNAs as potential diagnostic markers in HCV recurrence post Liver transplantation

27-04-2024 - *ScienceDirect*

Publication date: Available online 26 April 2024
Source: Diagnostic Microbiology and Infectious Disease
Author(s): Ghada M. Salum, Mai Abd el Meguid, Basma E. Fotouh, Ashraf O Abdel Aziz, Reham M. Dawood [Read more...](#)

6. Cover 2 - Aims/Scopes, Ed Board

27-04-2024 - *ScienceDirect*

Publication date: June 2024
Source: Diagnostic Microbiology and Infectious Disease, Volume 109, Issue 2
Author(s): [Read more...](#)

7. A Comprehensive Meta-Analysis and Systematic Review of Breath Analysis in Detection of COVID-19 through Volatile Organic Compounds

27-04-2024 - *ScienceDirect*

Publication date: Available online 27 April 2024
Source: Diagnostic Microbiology and Infectious Disease
Author(s): Grace A. Long, Qian Xu, Jahnavi Sunkara, Reagan Woodbury, Katherine Brown, Justin J. Huang, Zhenzhen Xie, Xiaoyu Chen, Xiao-an Fu, Jiapeng Huang [Read more...](#)

8. Evaluation of mixed biofilm production by Candida spp. and Staphylococcus aureus strains co-isolated from cystic fibrosis patients in northwest Algeria

26-04-2024 - *ScienceDirect*

Publication date: July 2024
Source: Diagnostic Microbiology and Infectious Disease, Volume 109, Issue 3
Author(s): Karima Gourari-Bouzouina, Zahia Boucherit-Otmani, Abdelfettah Seghir, Zahira Zakia Baba Ahmed-Kazi Tani, Imene Bendoukha, Abdeselem Benahmed, Mohammed Aissaoui, Kebir Boucherit [Read more...](#)

9. Utility of Microbial Cell Free DNA Next-Generation Sequencing for Diagnosis and Management of Infectious Diseases

26-04-2024 - *ScienceDirect*

Publication date: Available online 26 April 2024
Source: Diagnostic Microbiology and Infectious Disease
Author(s): Riley Aiden-Croix Thompson, Monica A. Donnelley, Kate Trigg, Sili Fan, Mabelle D Wilson, Stuart H. Cohen, George R. Thompson, Angel N. Desai [Read more...](#)

10. Detection of an Emerging Pathogen: A Real Time Qualitative PCR Assay Targeting Haematospirillum jordaniae for EDTA Whole Blood and Plasma Clinical Specimens.: SpeciesSourceTarget GrpE-CPO14525 (+/-)Insolitspirillum peregrinum*DSM-1839-Insolitspirillum peregrinum subsp. integrum*DSM-11589-Novispirillum itersonii subsp. nipponicum*DSM-11590-Novispirillum itersonii*DSM-9159-Bartonella tamiiSBRL-H3897-Bergeyella zoohelcumSBRL-H4558-Bordetella hinziiSBRL-H2250-Bordetella

25-04-2024 - *ScienceDirect*

Publication date: Available online 24 April 2024
Source: Diagnostic Microbiology and Infectious Disease
Author(s): A.M. Szewc, B.W. Humrighouse, K. Livingston, C.A. Gulvik, A.C. Nicholson, J.R. McQuiston [Read more...](#)

11. Evaluating an Extraction-Free Sample Preparation Method for Multiplex Detection of SARS-Cov-2, Influenza A/B, and RSV with Implementation on a Microfluidic Chip

25-04-2024 - *ScienceDirect*

Publication date: Available online 25 April 2024
Source: Diagnostic Microbiology and Infectious Disease
Author(s): Fatemeh Ahmadi, Fatemeh Zahra Zanganeh, Iman Amani Tehrani, Saeed Shoae, Hamzeh Choobin, Ali Bozorg, Mojtaba Taghipoor [Read more...](#)

12. Gram-negative Bacteremia, The Risk Factors, and Outcome in Children

23-04-2024 - *ScienceDirect*

Publication date: Available online 23 April 2024
Source: Diagnostic Microbiology and Infectious Disease
Author(s): Dilan Demir Gumus, Osman Oguz Demir, Kubra Aykac, Gulsen Hazirolan, Hanife Avci, Mehmet Ceyhan, Ali Bulent Cengiz, Yasemin Ozsurekci [Read more...](#)

13. Performance evaluation of a newly developed 2019-nCoV nucleic acid detection kit based on Ion Proton sequencing platform and its comparison with the MGI Tech (DNBSEQ-G99) platform

23-04-2024 - *ScienceDirect*

Publication date: Available online 23 April 2024
Source: Diagnostic Microbiology and Infectious Disease
Author(s): Yuting He, Tingting Yang, Guosheng Zhong, Xuegao Yu, Zhiwei Zhao, Yaling Shi, Bin Huang [Read more...](#)

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Emerging Infectious Diseases Journal - CDC

1. Evaluating Humoral Immunity Elicited by XBB.1.5 Monovalent COVID-19 Vaccine

26-04-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

X. Nguyen et al. [Read more...](#)

2. Sporadic Occurrence of Ensitrelvir-Resistant SARS-CoV-2, Japan

26-04-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

A. Doi et al. [Read more...](#)

3. Autochthonous Plasmodium vivax Infections, Florida, USA, 2023

25-04-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

A. Muneer et al. [Read more...](#)

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European Journal of Clinical Microbiology and Infectious Disease

1. Oligella spp.: A systematic review on an uncommon urinary pathogen

28-04-2024 - *Springer*

Abstract Background Oligella is an uncommon Gram-negative coccobacillus that was first thought to belong to the urogenital tract. The genus Oligella comprises two species that were recovered from various samples worldwide. **Methods** We perform a systematic review focusing on Oligella microbiological characteristics, habitat, role in Human microbiome and infection, and antimicrobial susceptibility. [Read more...](#)

2. Tick-Borne Bacterial Diseases in Europe: Threats to public health

28-04-2024 - Springer

Abstract Background Tick-borne diseases, caused by bacterial pathogens, pose a growing threat to public health in Europe. This paper provides an overview of the historical context of the discovery of the most impactful pathogens transmitted by ticks, including *Borrelia burgdorferi sensu lato*, *Rickettsia* spp., *Anaplasma* spp., *Francisella* spp., *Ehrlichia* spp., and *Neoehrlichia mikurensis*. [Read more...](#)

3. Evolution, control and success of combination therapy with Ampicillin-sulbactam/Ceftazidime-Avibactam during a Carbapenem-Resistant *Acinetobacter baumannii* outbreak in burn Intensive Care Unit

28-04-2024 - Springer

Summary We present our findings on interpatient transmission, epidemic control measures, and the outcomes of a series of ten critically ill burn patients who were either colonized or infected with carbapenem-resistant *Acinetobacter baumannii* (CRAB). None of the five infected patients achieved clinical cure, and all experienced relapses. Microbiological failure was observed in 40% of the ... [Read more...](#)

4. Rubella virus-associated cutaneous granulomatous disease in an immunocompetent woman

27-04-2024 - Springer

[Read more...](#)

5. In vitro activity of cefiderocol against carbapenem-resistant *Acinetobacter baumannii* carrying various β -lactamase encoding genes

27-04-2024 - Springer

Abstract Objectives This study aimed to determine the in vitro efficacy of cefiderocol in carbapenem-resistant *Acinetobacter baumannii* (CRAB) isolates and evaluate the disk-diffusion (DD) method as an alternative method to broth-microdilution (BMD). Methods Totally 89 CRAB isolates were included. Cluster analysis was determined by Pulsed-Field Gel Electrophoresis (PFGE). [Read more...](#)

6. Development and validation of an online dynamic nomogram system for pulmonary consolidation in children with *Mycoplasma pneumoniae pneumonia*

27-04-2024 - Springer

Abstract Introduction The occurrence of pulmonary consolidation in children with *Mycoplasma pneumoniae pneumonia* (MPP) can lead to exacerbation of the disease. Therefore, early identification of children with MPP in combination with pulmonary consolidation is critical. The purpose of this study was to develop a straightforward, easy-to-use online dynamic nomogram for the identification of ... [Read more...](#)

7. MAST® D72C test: a novel option for ESBL, AmpC and carbapenemase detection

27-04-2024 - Springer

Abstract Purpose The MAST® D72C test is a phenotypical test which can detect ESBL and AmpC production in Enterobacterales. It can also identify the suspected presence of carbapenemase. The aim of the present study was to assess the sensitivity and specificity of this test and to discuss its usefulness in laboratories, especially those that use only an automated AST system. [Read more...](#)

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1. Contact tracing management of a measles case in a paediatric hospital: experience of the local public health unit, Portugal, January 2024

25-04-2024 - Eurosurveillance

In January 2024, a child was diagnosed with measles in a paediatric hospital in Lisbon. Of 123 contacts, 39 (32%) were not fully immunised, presenting a risk for a potential outbreak. The public health unit initiated control measures and identified challenges during the response, such as the lack of interoperability between information systems and accessing vaccination records. [Read more...](#)

2. Severe A(H1N1)pdm09 influenza acute encephalopathy outbreak in children in Tuscany, Italy, December 2023 to January 2024

25-04-2024 - Eurosurveillance

A severe outbreak of influenza A(H1N1pdm09) infection in seven children (median age: 52 months) occurred between December 2023 and January 2024 in Tuscany, Italy. Clinical presentation ranged from milder encephalopathy to acute necrotizing encephalopathy (ANE) with coma and multiorgan failure one child died. This report raises awareness for clinicians to identify and treat early acute ... [Read more...](#)

3. Scenarios of future mpox outbreaks among men who have sex with men: a modelling study based on cross-sectional seroprevalence data from the Netherlands, 2022

25-04-2024 - Eurosurveillance

Background Following the 2022-2023 mpox outbreak, crucial knowledge gaps exist regarding orthopoxvirus-specific immunity in risk groups and its impact on future outbreaks. Aim We combined cross-sectional seroprevalence studies in two cities in the Netherlands with mathematical modelling to evaluate scenarios of future mpox outbreaks among men who have sex with men (MSM). [Read more...](#)

4. Outbreak of invasive Group A streptococcus disease in a nursing home in Ireland in February 2023 caused by emm type 18

25-04-2024 - Eurosurveillance

An out-of-season increase in cases of invasive Group A streptococcus (iGAS) was observed in Ireland between October 2022 and August 2023. We describe the management of an iGAS outbreak involving three nursing home residents in Ireland in early 2023. A regional Department of Public Health was notified of an iGAS case in a nursing home resident in January 2023. [Read more...](#)

5. Availability of drugs for the treatment of multidrug-resistant/rifampicin-resistant tuberculosis in the World Health Organization European Region, October 2023

25-04-2024 - Eurosurveillance

The BPaLM regimen (bedaquiline, pretomanid, linezolid and moxifloxacin) recently recommended by the World Health Organization offers short, safe, and effective treatment for multidrug-resistant/rifampicin-resistant tuberculosis (TB). In a survey with national TB focal points in 18 central and western European countries to explore barriers for the implementation of BPaLM, ... [Read more...](#)

6. Authors' correction for Euro Surveill. 202429(16)

25-04-2024 - Eurosurveillance

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1. Association of stress hyperglycemia ratio and mortality in patients with sepsis: results from 13,199 patients

28-04-2024 - Springer

Abstract Background The stress hyperglycemia ratio (SHR), adjusted for average glycemic status, is suggested for assessing actual blood glucose levels. Its link with adverse outcomes is known in certain populations, yet its impact on sepsis patients' prognosis is unclear. This study explores the association between SHR and mortality in sepsis. **Methods** We included 13, ... [Read more...](#)

2. Herpes simplex encephalitis in France: incidence, 6-month rehospitalizations and mortality

28-04-2024 - Springer

Abstract Background Herpes simplex encephalitis (HSE) is a disease with unfavorable vital and functional prognoses. There are no recent epidemiological data on HSE at a national level using real-life databases, especially in France. This study aimed to report the incidence, the clinical characteristics and outcomes of the patients with HSE. **Methods** We conducted a comprehensive retrospective ... [Read more...](#)

3. PCR-positive meningococcal CSF infection without pleocytosis but high IL-6 and IL-8

27-04-2024 - Springer

Abstract Background Meningococcal meningitis is still a severe disease causing high mortality and morbidity rates. Early diagnosis is crucial to ensure prompt antibiotic therapy. However, identification of the pathogen can be challenging. **Case presentation** A 32-year-old male patient with systemic lupus erythematosus (SLE) presented to the emergency room with fever, nausea, vomiting, ... [Read more...](#)

4. Surgery in patients with infective endocarditis and prognostic importance of patient frailty

27-04-2024 - Springer

Abstract Purpose Surgery is required in 20–50% of patients with infective endocarditis (IE). Frailty increases surgical risk however, the prognostic implications of frailty in patients undergoing IE-related surgery remain poorly understood. We aimed to assess the association between frailty and all-cause mortality or rehospitalization after discharge (≥ 14 days). [Read more...](#)

5. Primary cutaneous nocardiosis of the ankle caused by *N. brasiliensis*: a case report

26-04-2024 - Springer

Abstract *Nocardia* is a genus of aerobic, Gram-positive bacteria known for their filamentous and branching morphology. *N. brasiliensis* is the most common species causing cutaneous nocardiosis. We present a 67-year-old woman who developed abscesses on the back of her right ankle after walking barefoot on soil. Cultures from the cutaneous lesions grew *N. brasiliensis*. [Read more...](#)

6. A case of pulmonary melioidosis in Germany: a rare differential diagnosis in returning travelers from South-East Asia

26-04-2024 - Springer

Abstract Background Melioidosis is a bacterial infection associated with high mortality. The diagnostic approach to this rare disease in Europe is challenging, especially because pulmonary manifestation of melioidosis can mimic pulmonary tuberculosis (TB). Antibiotic therapy of melioidosis consists of an initial intensive phase of 2–8 weeks followed by an eradication therapy of 3–6 months. [Read more...](#)

7. Correction to: Predictive performance of NEWS and qSOFA in immunocompromised sepsis patients at the emergency department

26-04-2024 - Springer

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8. Gianotti–Crosti syndrome mimicking scabies

26-04-2024 - Springer

Abstract This case report highlights a case of a 65-year-old woman who presented to our clinic with suspicion of refractory scabies. She had undergone multiple treatments without improvement. However, the clinical condition was not scabies but rather Gianotti–Crosti Syndrome (GCS), leading to rapid clinical improvement and avoiding the need for further unnecessary tests and treatments. [Read more...](#)

9. Outcome of Human Parainfluenza Virus infection in allogeneic stem cell transplantation recipients: possible impact of ribavirin therapy

24-04-2024 - Springer

Abstract Background This retrospective study focused on analyzing community-acquired respiratory virus (CARV) infections, in particular human parainfluenza virus (hPIV) after allogeneic stem cell transplant (allo-SCT) in adults recipients. It aimed to assess the impact of ribavirin treatment, clinical characteristics, and risk factors associated with lower respiratory tract disease (LRTD) ... [Read more...](#)

10. Anti-spike antibody level is associated with the risk of clinical progression among subjects hospitalized with COVID-19 pneumonia: results from a retrospective cohort study

23-04-2024 - Springer

Abstract Purpose Antibodies against SARS-CoV-2 spike (anti-S) may confer protection against symptomatic COVID-19. Whether their level predicts progression among those with COVID-19 pneumonia remains unclear. **Methods** We conducted a retrospective cohort study to assess predictors of anti-S levels and whether anti-S titer is associated with death or mechanical ventilation (MV). [Read more...](#)

11. Assessment of a novel BLOOMY score for predicting mortality in hospitalised adults with bloodstream infection

23-04-2024 - Springer

Abstract Purpose A German multicentre study BLOOMY was the first to use machine learning approach to develop mortality prediction scores for bloodstream infection (BSI) patients, but the scores have not been assessed in other cohorts. Our aim was to assess how the BLOOMY 14-day and 6-month scores estimate mortality in our cohort of 497 cases with BSI. **Methods** Clinical data, laboratory data, ... [Read more...](#)

12. Real-world application of nirmatrelvir/ritonavir in hospitalized COVID-19 patients with onset of symptoms beyond 5 days: a comparative study

23-04-2024 - Springer

Abstract Purpose Physicians may administer Nirmatrelvir-ritonavir to patients who have been symptomatic for more than 5 days. There is currently no clear evidence to support this approach. **Methods** A real-world study was conducted to investigate the potential relationship between the administration of Nirmatrelvir-ritonavir and the rates of intubation or in-hospital mortality among COVID-19 ... [Read more...](#)

13. High cure rates of Mycoplasma genitalium following empiric treatment with azithromycin alongside frequent detection of macrolide resistance in Austria

22-04-2024 - Springer

Abstract Background Mycoplasma genitalium (MG) is an emerging sexually transmitted infection, often harboring resistance-associated mutations to azithromycin (AZM). Global surveillance has been mandated to tackle the burden caused by MG, yet no data are

available for Austria. Thus, we aimed to investigate the prevalence of MG, disease characteristics, and treatment outcomes at the largest ... [Read more...](#)

14. The U-shaped association between serum osmolality and 28-day mortality in patients with sepsis: a retrospective cohort study

22-04-2024 - Springer

Abstract Background Sepsis is a recognized global health challenge that places a considerable disease burden on countries. Although there has been some progress in the study of sepsis, the mortality rate of sepsis remains high. The relationship between serum osmolality and the prognosis of patients with sepsis is unclear. Method Patients with sepsis who met the criteria in the Medical ... [Read more...](#)

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Infection Control & Hospital Epidemiology

1. What is the optimal frequency of sink drain decontamination with a foam disinfectant?

25-04-2024 - Cambridge University Press

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2. Implementation of point-of-care molecular testing for respiratory viruses in congregate living settings

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3. Practices to prevent central line-associated bloodstream infection: A 2021 survey of infection preventionists in US hospitals

24-04-2024 - Cambridge University Press

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4. Healthcare personnel opinions regarding the feasibility of a risk-tailored approach to contact precautions for methicillin-resistant in the acute care setting

22-04-2024 - Cambridge University Press

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International Journal of Infectious Diseases

1. Time to care and factors influencing appropriate Sudan Virus Disease care among case patients in Uganda, September to November 2022

25-04-2024 - ScienceDirect

Publication date: Available online 25 April 2024 Source: International Journal of Infectious Diseases Author(s): Rebecca Akunzirwe, Simone Carter, Brenda N. Simbwa, Mercy W. Wanyana, Sherry R. Ahirirwe, Saudah K. Namubiru, Mackline Ninsiima, Allan Komakech, Alex R. Ario, Daniel Kadobera, Benon Kwesiga, Richard Migisha, Lilian Bulage, Helen N. Naiga, Jane F. Zalwango, Brian Agaba, Zainah Kabami, ... [Read more...](#)

2. The contributions of vaccination and natural infection to the production of neutralizing antibodies against the Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) prototype strain and variants

25-04-2024 - ScienceDirect

Publication date: Available online 25 April 2024 Source: International Journal of Infectious Diseases Author(s): Hui Xie, Junnan Zhang, Shuang Bai, Min Lv, Juan Li, Weixin Chen,

Luodan Suo, Meng Chen, Wei Zhao, Shanshan Zhou, Jian Wang, Ao Zhang, Jianxin Ma, Fengshuang Wang, Le Yan, Dongmei Li, Jiang Wu [Read more...](#)

3. Diagnostic Efficacy and Clinical Impact of Image-guided Core Needle Biopsy of Suspected Vertebral Osteomyelitis

25-04-2024 - *ScienceDirect*

Publication date: Available online 25 April 2024
Source: International Journal of Infectious Diseases
Author(s): Winston L. Winkler, Ige A. Geroge, Sumanth Gandra, Jonathan C. Baker, Anderanik Tomasian, Benjamin Northrup, Theodore L. Vander Velde, Travis J. Hillen, Chongliang Luo, Resten Imaoka, Gino M. Dettorre, Jack W. Jennings [Read more...](#)

4. Safety and effectiveness of isavuconazole in real-life non-neutropenic patients

24-04-2024 - *ScienceDirect*

Publication date: Available online 23 April 2024
Source: International Journal of Infectious Diseases
Author(s): Patricia Monzó-Gallo, Carlos Lopera, Ana M Badía-Tejero, Marina Machado, Julio García-Rodríguez, Pablo Vidal-Cortés, Esperanza Merino, Jorge Calderón, Jesús Fortún, Zaira R. Palacios-Baena, Javier Pemán, Joan Roig Sanchis, Manuela Aguilar-Guisado, Carlota Gudiol, Juan C Ramos, ... [Read more...](#)

5. Why is sharing knowledge about hand hygiene and infection prevention and control still so important?

23-04-2024 - *ScienceDirect*

Publication date: Available online 22 April 2024
Source: International Journal of Infectious Diseases
Author(s): Claire Kilpatrick, Ermira Tartari, Julie Storr, Didier Pittet, Benedetta Allegranzi [Read more...](#)

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Journal of Clinical Microbiology

1. Q3 lab-on-chip real-time PCR for the diagnosis of Leishmania infantum infection in dogs

25-04-2024 - *American Society for Microbiology*

Journal of Clinical Microbiology, Ahead of Print. [Read more...](#)

2. Construction of the ETECFinder database for the characterization of enterotoxigenic Escherichia coli (ETEC) and revision of the VirulenceFinder web tool at the CGE website

24-04-2024 - *American Society for Microbiology*

Journal of Clinical Microbiology, Ahead of Print. [Read more...](#)

3. Diagnosis, management, and outcomes of parechovirus infections in infants: an overview

22-04-2024 - *American Society for Microbiology*

Journal of Clinical Microbiology, Ahead of Print. [Read more...](#)

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Journal of Hospital Infection

1. Which antiseptic to use for a Caesarean section? A systematic review and network meta-analysis of randomised controlled trials

28-04-2024 - *Journal of Hospital Infection*

Guidelines for preoperative skin antisepsis recommend using chlorhexidine in an alcohol-based solution. However, other antiseptics such as aqueous povidone iodine or alcohol-

based solutions are still used. Randomised controlled trials (RCTs) in Caesarean section (CS) are rare and do not include all possible comparisons of antiseptics. [Read more...](#)

2. The requirement to move towards standardisation of wastewater sampling

27-04-2024 - *Journal of Hospital Infection*

Contamination of wastewater systems in healthcare settings with multidrug-resistant organisms (MDROs) represents a significant challenge to healthcare providers. In the past decade there has been increased attention paid to reservoirs of contamination in healthcare wastewater systems, with a particular emphasis on sinks and shower drains. Gram-negative MDROs including *Pseudomonas aeruginosa*, ... [Read more...](#)

3. Short Versus Prolonged Duration of Therapy for *Pseudomonas aeruginosa* Bacteremia: A Systematic Review and Meta-analysis

27-04-2024 - *Journal of Hospital Infection*

The optimal duration of therapy for *Pseudomonas aeruginosa* bloodstream infection (PSA-BSI) is unknown, with prolonged therapy frequently favored due to severity of infection, patient complexity, risk of multi-drug resistance, and high mortality. We therefore conducted a systematic review and meta-analysis of studies with head-to-head comparison of short versus prolonged therapy for PSA-BSI. [Read more...](#)

4. Development and Evaluation of Test Methods for the Detection and Enumeration of Opportunistic Waterborne Pathogens from the Hospital Environment

27-04-2024 - *Journal of Hospital Infection*

Many Gram -negative bacteria other than *Pseudomonas aeruginosa* have been implicated in waterborne outbreaks but standardised laboratory detection methods for these organisms have not been established. [Read more...](#)

5. ML-based risk assessment tool to rule out empiric use of ESBL-targeted therapy in endemic areas

26-04-2024 - *Journal of Hospital Infection*

Antimicrobial stewardship focuses on identifying patients who require ESBL-targeted therapy. Rule-in tools have been extensively researched in areas of low endemicity however, such tools are inadequate for areas with high rates of ESBL, as almost all patients will be selected. [Read more...](#)

6. Human resource management to assist infection prevention and control professionals: A scoping review

26-04-2024 - *Journal of Hospital Infection*

Infection prevention and control (IPC) professionals are key intermediaries between hospital managers and frontline staff. During the novel coronavirus disease pandemic, IPC professionals faced new challenges. Unfortunately, research on human resource management (HRM) to support IPC during and between pandemics is lacking. Therefore, this scoping review aimed to elucidate the existing ... [Read more...](#)

7. The prophylactic use of negative pressure wound therapy after cardiac surgery: a meta-analysis

25-04-2024 - *Journal of Hospital Infection*

Surgical site infections (SSI) pose a frequent complication in cardiac surgery patients and lead to increased patient discomfort and extended hospitalization. [Read more...](#)

8. Impact of COVID-19 on healthcare associated infections and antimicrobial use in Italy, 2022

25-04-2024 - *Journal of Hospital Infection*

We aimed to assess the impact of COVID-19 on healthcare associated infection (HAI) transmission and antimicrobial use (AMU) prevalence during the later stages of the pandemic. [Read more...](#)

9. Octenidine exposure was not associated with reduced Octenidine susceptibility of meticillin-resistant *Staphylococcus aureus* (MRSA) in an extended-care facility in Singapore

24-04-2024 - *Journal of Hospital Infection*

Antiseptics such as chlorhexidine gluconate (CHG) and octenidine dihydrochloride (OCT) are frequently used in hospitals to prevent and control meticillin-resistant *Staphylococcus aureus* (MRSA) transmission. With increasing prevalence of reduced CHG susceptibility of MRSA, concerns are raised about the possibility of reduced OCT susceptibility. Hence, we evaluated the prevalence of reduced CHG ... [Read more...](#)

10. Pilot randomised experimental study evaluating isopropyl alcohol and UVC radiation in the disinfection of healthcare workers' smartphones

24-04-2024 - *Journal of Hospital Infection*

Smartphones in medical settings pose infection risks due to harbouring pathogenic bacteria. This pilot study assesses the effectiveness duration of sanitisation methods, focusing on 70% isopropyl alcohol wipes and UVC boxes, aiming to obtain preliminary data on the reduction in Total Bacterial Load 3 hours post-sanitisation. A randomised monocentric trial with two intervention arms (wipes and ... [Read more...](#)

11. Practices to prevent non-ventilator hospital acquired pneumonia: a narrative review

23-04-2024 - *Journal of Hospital Infection*

Nosocomial infection has significant consequences in healthcare, at the individual level driving increased morbidity and mortality, but also at the organisational level due to increased costs. Hospital acquired pneumonia(HAP) is the most common nosocomial infection and is associated with high excess mortality, frequent use of broad spectrum anti-microbials and increased length of stay. [Read more...](#)

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Journal of Infection

1. Population incidence and associated mortality of urinary tract infection in people living with dementia

26-04-2024 - *Elsevier*

Urinary tract infections (UTIs) frequently cause hospitalisation and death in people living with dementia (PLWD). We examine UTI incidence and associated mortality among PLWD relative to matched controls and people with diabetes and investigate whether delayed or withheld treatment further impacts mortality. [Read more...](#)

2. Corrigendum to: "People living with HIV who have poor immune status are a key population for SARS-CoV-2 prevention" *Journal of Infection*, Volume 88, Issue 3, March 2024, 106122

25-04-2024 - *Elsevier*

The authors regret that the originally published acknowledgements section was missing some information. Please see the correct version below: [Read more...](#)

3. Understanding the potential role of whole genome sequencing (WGS) in managing patients with gonorrhoea: A systematic review of WGS use on human pathogens in individual patient care

24-04-2024 - *Elsevier*

The utility of whole genome sequencing (WGS) to inform sexually transmitted infection (STI) patient management is unclear. Timely WGS data might support clinical management of STIs by characterising epidemiological links and antimicrobial resistance profiles. We conducted a systematic review of clinical application of WGS to any human pathogen that may be transposable to gonorrhoea. [Read more...](#)

[4. Molecular Rapid Diagnostic Testing for Bloodstream Infections: Nanopore Targeted Sequencing with Pathogen-Specific Primers](#)

24-04-2024 - Elsevier

Nanopore sequencing, known for real-time analysis, shows promise for rapid clinical infection diagnosis but lacks effective assays for bloodstream infections (BSIs). [Read more...](#)

[5. Temporal variations in the serogroup distribution of invasive meningococcal disease in Quebec, Canada, due to emerging unique clade of serogroup Y strain belonging to the Sequence Type-23 clonal complex.](#)

24-04-2024 - Elsevier

To identify recent trends in invasive meningococcal diseases (IMD) in Quebec, Canada, with a focus on MenY cases and MenY strains. [Read more...](#)

[6. Heterologous and BNT162b2 boosters are more effective than non-mRNA homologous boosters for Omicron](#)

24-04-2024 - Elsevier

Dear Editor, [Read more...](#)

[7. Infections in preschool and school-aged children are driving the recent rise in pertussis in China](#)

23-04-2024 - Elsevier

Dear editor, [Read more...](#)

[8. No evidence of difference in mortality with amoxicillin versus co-amoxiclav for hospital treatment of community-acquired pneumonia](#)

23-04-2024 - Elsevier

Current guidelines recommend broad-spectrum antibiotics for high-severity community-acquired pneumonia (CAP), potentially contributing to antimicrobial resistance (AMR). We aim to compare outcomes in CAP patients treated with amoxicillin (narrow-spectrum) versus co-amoxiclav (broad-spectrum), to understand if narrow-spectrum antibiotics could be used more widely. [Read more...](#)

[9. Risk factors for Nocardia infection among allogeneic hematopoietic cell transplant recipients: A case-control study of the Infectious Diseases Working Party of the European Society for Blood and Marrow Transplantation](#)

23-04-2024 - Elsevier

Nocardiosis is a rare but life-threatening infection after hematopoietic cell transplantation (HCT). We aimed at identifying risk factors for nocardiosis after allogeneic HCT and clarifying the effect of trimethoprim-sulfamethoxazole prophylaxis on its occurrence. [Read more...](#)

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Journal of Medical Microbiology

[1. Rhein kills Actinobacillus pleuropneumoniae, reduces biofilm formation, and effectively treats bacterial lung infections in mice](#)

26-04-2024 - Microbiology Society

Background. *Actinobacillus pleuropneumoniae*, a member of the Pasteurellaceae family, is known for its highly infectious nature and is the primary causative agent of infectious pleuropneumonia in pigs. This disease poses a considerable threat to the global pig industry and leads to substantial economic losses due to reduced productivity, increased mortality rates, ... [Read more...](#)

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Journal of Microbiology, Immunology and Infection

1. Physical Activity and the Incidence of Sepsis: A 10-year Observational Study Among 4 Million Adults

26-04-2024 - ScienceDirect

Publication date: Available online 26 April 2024
Source: Journal of Microbiology, Immunology and Infection
Author(s): Kyoung Hwa Lee, Eun Hwa Lee, Kyu-na Lee, Yebin Park, Young Goo Song, Kyung Do Han, Sang Hoon Han [Read more...](#)

2. Mitigating treatment failure of pulmonary pre-extensively drug-resistant tuberculosis: the role of new and repurposed drugs (r1)

26-04-2024 - ScienceDirect

Publication date: Available online 26 April 2024
Source: Journal of Microbiology, Immunology and Infection
Author(s): Yi-Wen Huang, Ming-Chih Yu, Chih-Bin Lin, Jen-Jyh Lee, Chou-Jui Lin, Shun-Tien Chien, Chih-Hsin Lee, Chen-Yuan Chiang [Read more...](#)

3. Intestinal capillariasis: an indigenous case in Taiwan

24-04-2024 - ScienceDirect

Publication date: Available online 24 April 2024
Source: Journal of Microbiology, Immunology and Infection
Author(s): Wei-Te Lee, Chih-Lin Huang, Rong-Jyh Lin, Chao-Ju Chen, Kuan-Li Wu, June-Der Lee, Yue-Chiu Su [Read more...](#)

4. Human infection caused by avian influenza A (H10N5) virus

23-04-2024 - ScienceDirect

Publication date: Available online 22 April 2024
Source: Journal of Microbiology, Immunology and Infection
Author(s): Chih-Cheng Lai, Po-Ren Hsueh [Read more...](#)

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The Lancet

1. [Correspondence] Tonsillectomy for recurrent tonsillitis: the NATTINA trial

26-04-2024 - Elsevier

The surge in scarlet fever and invasive group A streptococcal infection in England during winter, 2022–23, has stimulated the consideration of optimal sore throat management, as point-of-care tests for diagnosis are not routinely used. Clinical prediction scores can identify patients who are most likely to benefit from antibiotics however, balance is required between optimising clinical ... [Read more...](#)

2. [Obituary] Tobias Welte

26-04-2024 - Elsevier

Specialist in pulmonology, infectious disease, and internal medicine. Born on July 7, 1959 in Hanover, Germany, he died on March 10, 2024 in Hanover aged 64 years. [Read more...](#)

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The Lancet: Infectious Diseases

1. [Obituary] John Phair

24-04-2024 - Elsevier

Renowned HIV researcher and infectious disease specialist, passed away on Feb 19, 2024, aged 89 years. [Read more...](#)

2. [Profile] Quique Bassat—improving paediatric global health

24-04-2024 - Elsevier

A family trip to Kenya and Tanzania in the late 1980s was an eye-opener for a teenage Quique Bassat. “I had an epiphany moment in Africa where I realised how lucky I was having been born in Barcelona, compared to children my age in Africa. That’s when I decided I wanted to work in Africa”, he recalls. Some thirty years on, Bassat is a paediatrician, epidemiologist, ... [Read more...](#)

3. [Newsdesk] Research in brief

24-04-2024 - Elsevier

A study has found that abzymes, antibodies that act like enzymes, may be produced in some patients with COVID-19. Researchers examined plasma samples collected from 67 volunteers with moderate or severe COVID-19 on or around day 7 of their hospitalisation and compared them with plasma collected in 2018, before the pandemic. The results showed that a small subset of the patients with COVID-19 ... [Read more...](#)

4. [Newsdesk] Infectious Disease Surveillance Update

24-04-2024 - Elsevier

On April 2, 2024, health officials in Bolivia reported 15 cases of Oropouche virus disease in La Paz department in western Bolivia. As of April 5, there have been 24 confirmed cases and more than 50 suspected cases identified. The confirmed cases were across three municipalities: Irupana (22 cases), Cajuata (one case), and Chulumani (one case). Oropouche virus disease is caused by an ... [Read more...](#)

5. [Media Watch] Pox Romana

24-04-2024 - Elsevier

A particular highlight of Colin Elliott's book Pox Romana: the plague that shook the Roman world is his visceral account of ancient Rome itself. Anyone hoping for the Colosseum, classical columns, and pristine white togas will be disappointed. “Even in luxurious houses equipped with cesspits and chamber pots, garbage and waste were frequently chucked out into the street”, writes Elliott, ... [Read more...](#)

6. [Newsdesk] Leptospirosis cases triple in Réunion

24-04-2024 - Elsevier

A surge in leptospirosis cases this year prompts heightened surveillance measures on Réunion island. Alix Boisson-Walsh reports. [Read more...](#)

7. [Newsdesk] Excess tuberculosis deaths in the WHO European region

24-04-2024 - Elsevier

A new report from WHO and the ECDC says that 7000 estimated excess tuberculosis deaths in the WHO European region in 2020–22 were a direct result of the pandemic. Talha Burki reports. [Read more...](#)

8. [Obituary] Sir Michael Anthony Epstein

24-04-2024 - Elsevier

British pathologist, virologist, and co-discoverer of the Epstein–Barr virus, passed away on Feb 6, 2024, aged 102 years. [Read more...](#)

9. [Profile] Nuria Izquierdo-Useros—fighting the good fight

24-04-2024 - Elsevier

Born in Madrid, Spain, shortly after the end of the Francoist dictatorship, Nuria Izquierdo-Useros was raised in an environment that actively promoted critical thinking. “My grandmother and mother taught me about feminism and the importance of fighting for equity. My grandmother was among the first women (in Spain) who graduated as a lawyer and became an active member of the female lawyer ... [Read more...](#)

10. [Profile] Oriol Mitja—the beginning of the end for yaws

24-04-2024 - Elsevier

Oriol Mitja had an upbringing that suggested he could be a doctor: his late grandfather was the founder and first chancellor of Barcelona's Autonomous University, and both his parents are doctors. But it was something quite acute that persuaded him to follow medicine. “When I was 15, I broke my knee, and was given treatment in hospital that took away the intense pain”, ... [Read more...](#)

11. [Media Watch] On the frontline during the COVID-19 pandemic

24-04-2024 - Elsevier

Although the SARS-CoV-2 pandemic has been a recent traumatic addition to our collective memory, we have learned a great deal about the decisions made by governments during this time. Communicating the experience as we felt it at the time, while not failing to incorporate what we have since come to understand about its management is a daunting task, but ITV's new three-part drama *Breathtaking* ... [Read more...](#)

12. [Newsdesk] DNDi receives grant to develop treatments for NTDs

24-04-2024 - Elsevier

A grant awarded to the DNDi by the Bill & Melinda Gates Foundation will enable new drug trials for sleeping sickness and river blindness. Sanjeet Bagcchi reports. [Read more...](#)

13. [Corrections] Correction to Lancet Infect Dis 2024 published online Jan 17.

[https://doi.org/10.1016/S1473-3099\(24\)00032-X](https://doi.org/10.1016/S1473-3099(24)00032-X)

24-04-2024 - Elsevier

Justo JA, Pogue JM. Is it time to join the oral antibiotics bandwagon? Lancet Infect Dis 2024 published online Jan 17. [https://doi.org/10.1016/S1473-3099\(24\)00032-X](https://doi.org/10.1016/S1473-3099(24)00032-X)—In this Comment, the last sentence should read “As we await definitive data, the results of SABATO, when combined with OVIVA7 and POET,8 should continue to dispel the long-held dogma that intravenous antibiotics are better simply ... [Read more...](#)

14. [Corrections] Correction to Lancet Infect Dis 2024 24: 488–503

24-04-2024 - Elsevier

Kang H, Auzenbergs M, Clapham H, et al. Chikungunya seroprevalence, force of infection, and prevalence of chronic disability after infection in endemic and epidemic settings: a systematic review, meta-analysis, and modelling study. Lancet Infect Dis 2024 24: 488–503—In figure 2 of this Article, the y axes were labelled incorrectly. This correction has been made to the online version as of ... [Read more...](#)

15. [Newsdesk] WHO publishes list of medically important antimicrobials

24-04-2024 - Elsevier

On Feb 8, 2024, WHO published its list of medically important antimicrobials to guide appropriate use of antimicrobials in human and non-human sectors. Timothy Jesudason reports. [Read more...](#)

16. [Newsdesk] Protocol for testing filovirus treatments during outbreaks

24-04-2024 - Elsevier

A meeting convened by WHO in Africa in February, 2024, aimed to develop a protocol for assessing new treatments for filovirus diseases during outbreaks. Esther Nakkazi reports. [Read more...](#)

17. [Editorial] What is the pandemic potential of avian influenza A(H5N1)?

24-04-2024 - Elsevier

On March 25, 2024, a national authority in Viet Nam notified WHO of a case of human infection with highly pathogenic avian influenza (HPAI) A(H5N1) virus (clade unreported). Then on April 1, a second but unrelated human infection with HPAI A(H5N1) virus (clade 2.3.4.4b) was reported in Texas, USA. The two cases occurred under different circumstances with different outcomes. [Read more...](#)

18. [Clinical Picture] Endobronchial tuberculosis

24-04-2024 - Elsevier

A 24-year-old Romanian woman who had recently immigrated to the Netherlands presented to the ambulatory care setting with a 1-year history of a pulmonary squeak. A review of the patient revealed no allergen exposures, no chronic or productive cough, no fever episodes or night sweats, and no history of serious illness or medication use. Weight and dietary intake were healthy, ... [Read more...](#)

19. [Media Watch] A summer cold

08-04-2024 - Elsevier

“All happy families are alike each unhappy family is unhappy in its own way” is the famous opening of Lev Tolstoj's masterpiece Anna Karenina. And among unhappy families immortalised in literature, the Tyrone family, at the centre of American playwright Eugene O'Neill's Long day's journey into night, has a special place. The play is considered O'Neill's best work and is strongly based on the ... [Read more...](#)

20. [Newsdesk] First fatality from Alaskapox virus

19-03-2024 - Elsevier

In February, the Alaska Division of Public Health reported the first death from a recently discovered virus belonging to the same genus as smallpox and mpox. Sharmila Devi reports. [Read more...](#)

21. [Media Watch] COVID-19 in Palestine

19-03-2024 - Elsevier

The COVID-19 pandemic has, arguably, always been political. Across the world, the response to the pandemic has reflected government capabilities and inadequacies, and brought to light the difference in the pandemic experience between wealthier and poorer populations. But in her book COVID-19 in Palestine: the settler colonial context, Nadia Naser-Najjab considers the difference being exposed ... [Read more...](#)

22. [Corrections] Correction to Lancet Infect Dis 2023 23: 856–66

11-03-2024 - Elsevier

Wilkins D, Langedijk AC, Lebbink RJ, et al. Nirsevimab binding-site conservation in respiratory syncytial virus fusion glycoprotein worldwide between 1956 and 2021: an analysis of observational study sequencing data. Lancet Infect Dis 2023 23: 856–66— In this Article, the units for IC50 in the table should have read ng/mL and the appendix has been updated. These corrections have been made to ... [Read more...](#)

23. [Correspondence] Untold Lassa fever story: a physician's lived experience

07-03-2024 - Elsevier

Lassa fever, a viral haemorrhagic fever endemic to West Africa, remains a substantial health concern in the region. Although its primary mode of transmission is through contact

with food and household items contaminated by *Mastomys* rat urine and faeces, secondary human-to-human transmission also occurs, with nosocomial transmission to health-care workers being particularly alarming, ... [Read more...](#)

24. [Comment] Is eradication of influenza B viruses possible?

04-03-2024 - Elsevier

Influenza B virus infections account for a substantial proportion of cases of influenza annually, with a high morbidity and mortality burden, especially in children (aged 0–18 years). Influenza B virus, on average, accounts for 23% of the annual influenza cases globally, although it can account for up to 80% of infections in some seasons and geographical locations, ... [Read more...](#)

25. [Correspondence] Adaptive immune responses are larger and functionally preserved in a hypervaccinated individual

04-03-2024 - Elsevier

Prime-boost vaccinations can enhance immune responses,¹ whereas chronic antigen exposure can cause immune tolerance.² In humans, the benefits, limitations, and risks of repetitive vaccination remain poorly understood. [Read more...](#)

26. [Comment] Large language models must serve clinicians, not the reverse

29-02-2024 - Elsevier

Since the public release of ChatGPT in November, 2022, large language models (LLMs) have been shown to offer undeniably impressive utility in medicine and health care. Their shown proficiency in providing antimicrobial advice,¹ writing discharge summaries,² and parsing clinical notes,³ as well as their promising application across various clinical specialties⁴ and in low-income and ... [Read more...](#)

27. [Correspondence] Quadrivalent dengue-virus vaccines: challenges and opportunities for India

23-02-2024 - Elsevier

An estimated 12·9 million primary dengue-virus infections occurred in India in 2017, according to the constant force of infection model.¹ Vaccine-efficacy studies for quadrivalent dengue-virus vaccines conducted in other endemic countries^{2–4} have provided an excellent plan to guide the progress of phase 3 trials in India, which contributes to about 30% of the global burden of dengue. [Read more...](#)

28. [Correspondence] Non-COVID-19 hospitalisation as a negative control outcome in COVID-19 vaccine effectiveness studies

22-02-2024 - Elsevier

Christian Holm Hansen and colleagues¹ estimated the effectiveness of the XBB.1.5 updated COVID-19 vaccine against COVID-19 hospitalisation. Although their work is valuable, we have concerns regarding their negative control outcome analysis. [Read more...](#)

29. [Correspondence] Non-COVID-19 hospitalisation as a negative control outcome in COVID-19 vaccine effectiveness studies – Authors' reply

22-02-2024 - Elsevier

We welcome this important discussion about the use of negative control outcomes to assess potential biases from uncontrolled confounders in observational COVID-19 vaccine effectiveness studies. The negative control outcome used in our study¹ was hospitalisation for more than 12 h for any reason, excluding patients with diagnoses relating to COVID-19 or with a positive SARS-CoV-2 test up to 30 ... [Read more...](#)

30. [Correspondence] Global incidence and mortality of severe fungal disease

21-02-2024 - Elsevier

We read, with great interest, David W Denning's estimates on the global incidence and mortality of severe fungal disease.¹ We agree there is a crucial need for accurate estimates of fungal diseases, the absence of which contribute to a lack of awareness, underdiagnosis, equity concerns, and inadequate research funding. However, we have several concerns with the estimation approach and ... [Read more...](#)

31. [Correspondence] Global incidence and mortality of severe fungal disease – Author's reply

21-02-2024 - Elsevier

The interest shown by Kevin Ikuta and colleagues¹ in the global incidence and mortality of severe fungal disease is appreciated.² All fungal disease estimates have major gaps in individual country and regional data, as well as differing approaches to the diagnosis of those conditions, especially those that require a multimodal diagnosis, such as both invasive and chronic pulmonary aspergillosis. [Read more...](#)

32. [Comment] The deadly potential of chikungunya virus

08-02-2024 - Elsevier

Chikungunya virus is a mosquito-transmitted alphavirus first detected in Tanzania in the 1950s. However, it was only after a large outbreak in Réunion island that the risk of severe disease in humans started becoming clear.¹ Outbreaks of chikungunya virus disease are becoming increasingly common. Driven by increased connectivity of communities and climate change, ... [Read more...](#)

33. [Articles] The public health impact and cost-effectiveness of the R21/Matrix-M malaria vaccine: a mathematical modelling study

08-02-2024 - Elsevier

Introduction of the R21/Matrix-M malaria vaccine could have a substantial public health benefit across sub-Saharan Africa. [Read more...](#)

34. [Comment] Determining force of infection for chikungunya to support vaccine policy development

08-02-2024 - Elsevier

Chikungunya is an emerging mosquito-borne viral infection causing an increasing number of outbreaks in the tropics and subtropics, and smaller outbreaks have also been observed in temperate climates, including Europe.¹ The infection has also become an increasing problem in international travellers.² Similarly to dengue, another vector-borne viral infection in the tropics and subtropics, ... [Read more...](#)

35. [Articles] Risk of death following chikungunya virus disease in the 100 Million Brazilian Cohort, 2015–18: a matched cohort study and self-controlled case series

08-02-2024 - Elsevier

Chikungunya virus disease is associated with an increased risk of death for up to 84 days after symptom onset, including deaths from cerebrovascular diseases, ischaemic heart diseases, and diabetes. This study highlights the need for equitable access to approved vaccines and effective anti-chikungunya virus therapeutics and reinforces the importance of robust vector-control efforts to reduce ... [Read more...](#)

36. [Comment] R21/Matrix-M malaria vaccine: a vital tool in the arsenal against malaria, not a silver bullet

08-02-2024 - Elsevier

Although malaria has placed a burden on humanity for centuries, affecting millions of people, particularly in Africa, numerous strategies and interventions have been implemented with varying degrees of success.¹ The recent introduction of the R21/Matrix-

M malaria vaccine, following the RTS,S/AS01 malaria vaccine, has been greeted with optimism and touted as one of the most promising tools in ... [Read more...](#)

37. [Articles] Chikungunya seroprevalence, force of infection, and prevalence of chronic disability after infection in endemic and epidemic settings: a systematic review, meta-analysis, and modelling study

08-02-2024 - Elsevier

We inferred subnational heterogeneity in long-term average annual FOI and transmission dynamics and identified both endemic and epidemic settings across different countries. Brazil, Ethiopia, Malaysia, and India included both endemic and epidemic settings. Long-term average annual FOI was higher in epidemic settings than endemic settings. However, long-term cumulative incidence of chikungunya ... [Read more...](#)

38. [Comment] Outpacing antiviral resistance: new treatments for influenza virus infection

06-02-2024 - Elsevier

Influenza viruses are important human pathogens that cause seasonal outbreaks and have the potential to cause global pandemics. The ongoing evolution of influenza viruses poses a public health challenge, as antigenic drift (ie, the accumulation of mutations over time) can allow circulating viruses to evade pre-existing immunity conferred through previous infection or immunisation. [Read more...](#)

39. [Articles] Safety and efficacy of onradivir in adults with acute uncomplicated influenza A infection: a multicentre, double-blind, randomised, placebo-controlled, phase 2 trial

06-02-2024 - Elsevier

Onradivir showed a safety profile comparable to placebo, as well as higher efficacy than placebo in ameliorating influenza symptoms and lowering the viral load in adult patients with uncomplicated influenza infection, especially the onradivir 600 mg once per day regimen. [Read more...](#)

40. [Articles] Invasive pneumococcal disease 3 years after introduction of a reduced 1 + 1 infant 13-valent pneumococcal conjugate vaccine immunisation schedule in England: a prospective national observational surveillance study

01-02-2024 - Elsevier

Overall, IPD incidence in England was lower in 2022–23, 2 years after removal of pandemic restrictions, than in 2019–20. Breakthrough and vaccine failure rates were not significantly different between children who received the 1 + 1 compared with the 2 + 1 PCV13 immunisation schedule. The post-pandemic increase in childhood IPD incidence and especially PCV13-type IPD will require close monitoring. [Read more...](#)

41. [Comment] Will two doses of pneumococcal conjugate vaccine be enough?

01-02-2024 - Elsevier

Pneumococcal conjugate vaccine (PCV) is one of the most expensive vaccines in the paediatric vaccination schedule. To reduce cost and the number of injections, there has been major research investments to identify whether a two-dose infant PCV schedule is non-inferior to three doses. So far, the UK is the only country to adopt a two-dose (one prime and one boost) schedule. [Read more...](#)

42. [Articles] Effectiveness of one dose of killed oral cholera vaccine in an endemic community in the Democratic Republic of the Congo: a matched case-control study

19-01-2024 - Elsevier

A single dose of Euvichol-Plus provided substantial protection against medically attended cholera for at least 36 months after vaccination in this cholera-endemic setting. Although the evidence provides support for similar levels of protection in young children and others

in the short term, protection among children younger than 5 years might wane significantly during the third year after ... [Read more...](#)

43. [Comment] Inaccessible: health, wealth, governance, and equity in low-income and middle-income countries

19-01-2024 - Elsevier

A mass vaccination campaign with killed oral cholera vaccine (kOCV Euvichol-Plus, EuBiologics, Seoul, South Korea) was conducted in an urban population vulnerable to cholera on the shores of Lake Tanganyika in the Democratic Republic of the Congo, following severe flooding in 2020.¹ This campaign provided an opportunity to assess the efficacy of single-dose kOCV in an age-stratified ... [Read more...](#)

44. [Comment] Is it time to join the oral antibiotics bandwagon?

17-01-2024 - Elsevier

As the costs and complexity of health-care delivery mount globally, there continues to be substantial interest in the use of oral antibiotic therapy for serious infections. In *The Lancet Infectious Diseases*, Achim Kaasch and colleagues¹ evaluated the efficacy and safety of an early switch from intravenous to oral antibiotic therapy for the treatment of low-risk *Staphylococcus aureus* ... [Read more...](#)

45. [Articles] Efficacy and safety of an early oral switch in low-risk *Staphylococcus aureus* bloodstream infection (SABATO): an international, open-label, parallel-group, randomised, controlled, non-inferiority trial

17-01-2024 - Elsevier

Oral switch antimicrobial therapy was non-inferior to intravenous standard therapy in participants with low-risk *S aureus* bloodstream infection. However, it is necessary to carefully assess patients for signs and symptoms of complicated *S aureus* bloodstream infection at the time of presentation and thereafter before considering early oral switch therapy. [Read more...](#)

46. [Comment] Malaria prevention: advancing clinical trials to policy

13-01-2024 - Elsevier

In *The Lancet Infectious Diseases*, Raquel González and colleagues¹ report the results of a carefully conducted randomised placebo-controlled trial done in Gabon and Mozambique that assessed administration of monthly doses of dihydroartemisinin–piperaquine in pregnant women living with HIV on antiretroviral therapy (efavirenz-based or dolutegravir-based regimens) who were already moderately ... [Read more...](#)

47. [Articles] Safety and efficacy of dihydroartemisinin–piperaquine for intermittent preventive treatment of malaria in pregnant women with HIV from Gabon and Mozambique: a randomised, double-blind, placebo-controlled trial

13-01-2024 - Elsevier

In the context of low malaria transmission, the addition of IPTp with dihydroartemisinin–piperaquine to co-trimoxazole prophylaxis in pregnant women with HIV did not reduce peripheral parasitaemia at delivery. However, the intervention was safe and associated with a decreased risk of clinical malaria and overall *Plasmodium falciparum* infection, so it should be considered as a strategy to ... [Read more...](#)

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Morbidity and Mortality Weekly Report

1. Use of an Additional Updated 2023–2024 COVID-19 Vaccine Dose for Adults Aged ≥65 Years: Recommendations of the Advisory Committee on Immunization Practices — United States, 2024

25-04-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

This report describes a recommendation from the Advisory Committee on Immunization Practices that all people ages ≥ 65 years and older receive one additional dose of any updated (2023–2024 Formula) COVID-19 vaccine. [Read more...](#)

2. Investigation of Presumptive HIV Transmission Associated with Receipt of Platelet-Rich Plasma Microneedling Facials at a Spa Among Former Spa Clients — New Mexico, 2018–2023

25-04-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

This report describes an investigation of multiple HIV infections among people who received microneedling facials. [Read more...](#)

3. Use of Ebola Vaccines — Worldwide, 2021–2023

25-04-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

This report describes repurposing Ebola vaccines in the absence of large outbreaks. [Read more...](#)

4. QuickStats: Percentage of Employed Adults Aged ≥ 18 Years Who Slept 7 Hours per 24-Hour Period, by Sex and Number of Work Hours per Week — United States, 2022

25-04-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

This report describes the percentage of employed adults who slept less than seven hours per 24-hour period. [Read more...](#)

5. SARS-CoV-2 Viral Shedding and Rapid Antigen Test Performance — Respiratory Virus Transmission Network, November 2022–May 2023

25-04-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

This report describes the sensitivity of different kinds of tests that detect SARS-CoV-2, the virus that causes COVID-19. [Read more...](#)

6. Notes from the Field: Group A Streptococcus Bacteremia in Persons Who Inject Drugs — Northern Vermont, January 2020–October 2023

25-04-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

This report describes an increase in group A streptococcal infections among people who inject drugs in Vermont. [Read more...](#)

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Nature Reviews Microbiology

1. The complex life of the HIV-1 full-length RNA

24-04-2024 - *Nature*

Nature Reviews Microbiology, Published online: 24 April 2024 doi:10.1038/s41579-024-01049-7 In this Journal Club, Ricardo Soto-Rifo discusses a study on intron-containing HIV-1 RNA, revealing its role as a pathogen-associated molecular pattern in myeloid cells, which has implications for immune activation, inflammation and clinical outcomes. [Read more...](#)

2. Nitroplast organelle unveiled

24-04-2024 - *Nature*

Nature Reviews Microbiology, Published online: 24 April 2024 doi:10.1038/s41579-024-01053-xA recent study reports the existence of a nitrogen-fixing organelle called the 'nitroplast'. [Read more...](#)

3. Mycetocola to the rescue

24-04-2024 - *Nature*

Nature Reviews Microbiology, Published online: 24 April 2024 doi:10.1038/s41579-024-01052-yl In this study, Carrasco Flores et al. report that the bacterium *Mycetocola lacteus* protects the microalga *Chlamydomonas reinhardtii* from the antagonistic activity of *Pseudomonas protegens*. [Read more...](#)

4. Phages get snappy

23-04-2024 - *Nature*

Nature Reviews Microbiology, Published online: 22 April 2024 doi:10.1038/s41579-024-01050-0 This study shows that a single-stranded RNA phage binds to the *Pseudomonas aeruginosa* type IV pilus, leading to phage entry into the cell and the detachment of the pilus, which impairs bacterial motility. [Read more...](#)

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NEJM Journal Watch: Infectious Diseases

1. For Coordinating Management of Opioid Use Disorder and Hepatitis C Infection, Telemedicine Works

26-04-2024 - *Massachusetts Medical Society*

Attainment of sustained virologic response was 85% for telemedicine integrated with opioid use disorder treatment versus 34% for traditional referral. [Read more...](#)

2. Delivery of Malaria Vaccine Through National Immunization Programs: Achievable and Safe

26-04-2024 - *Massachusetts Medical Society*

Three doses of RTS,S/AS01E vaccine safely reduced hospitalizations due to severe malaria 2 years later. [Read more...](#)

3. How Well Do Public and Private Healthcare Providers Manage Chlamydia and Gonorrhea?

26-04-2024 - *Massachusetts Medical Society*

Rates of treatment for both chlamydia and gonorrhea — and adherence to recommended therapies for gonorrhea — were higher for public compared with private providers. [Read more...](#)

4. Innovative Pairing of Beta-Lactamase Inhibitors to Combat Multidrug-Resistant Gram-Negative Pathogens

22-04-2024 - *Massachusetts Medical Society*

An expanding repertoire of beta-lactamase inhibitors is increasingly relied upon to protect antibiotics against antibiotic-resistant pathogens. [Read more...](#)

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UKHSA affiliation

UKHSA Affiliation

1. Coping and emotions of global higher education students to the Ukraine war worldwide

27-04-2024 - *Ovid*

Author Names: Raccanello D., Burro R., Aristovnik A., Ravselj D., Umek L., Vicentini G., Hall R., Buizza C., Buzdar M.A., Chatterjee S., Cucari N., Dobrowolska B., Ferreira-Oliveira A.T., Franca T., Ghilardi A., Inasius F., Kar S.K., Karampelas K., Kuzyshyn A., Lazar F., Machin-Mastromatteo J.D., Malliarou M., Marques B.P., Mendez-Prado S.M., Mollica C., Obadic A., Olaniyan O.F., Rodrigues A.S., Sbravati G., Vasic A. [Read more...](#)

2. Temporal variations in international air travel: implications for modelling the spread of infectious diseases

27-04-2024 - Ovid

Author Names: Wardle J.,Bhatia S.,Cori A.,Nouvellet P. Database Source: Embase Weekly Updates Journal Title: Journal of travel medicine Article Title: Temporal variations in international air travel: implications for modelling the spread of infectious diseases Year: 2024 Issue: Volume: Abstract: BACKGROUND: The international flight network creates multiple routes by which pathogens can ... [Read more...](#)

3. Inequalities in sexual and reproductive outcomes among women aged 16-24 in England (2012-2019)

27-04-2024 - Ovid

Author Names: Solomon D.,Gibbs J.,Burns F.,Mohammed H.,Migchelsen S.J.,Sabin C.A. Database Source: Embase Weekly Updates Journal Title: Journal of epidemiology and community health Article Title: Inequalities in sexual and reproductive outcomes among women aged 16-24 in England (2012-2019) Year: 2024 Issue: Volume: Abstract: BACKGROUND: Women aged 16-24 in England have a high burden of sexual ... [Read more...](#)

4. Community-based participatory research to engage disadvantaged communities: Levels of engagement reached and how to increase it. A systematic review

27-04-2024 - Ovid

Author Names: Teresa R.M.,Valentina P.,Marcello D.P.,Gerardo A.,Cesare N.M.,Roberta M.,Cedomir S.,Miodrag S.,Luca R.,Gianfranco D. Database Source: Embase Weekly Updates Journal Title: Health Policy,Health Policy Article Title: Community-based participatory research to engage disadvantaged communities: Levels of engagement reached and how to increase it. A systematic review Year: 2023 Issue: ... [Read more...](#)

5. Preventing deaths after prison release

27-04-2024 - Ovid

Author Names: Lewer D.,Edge C. Database Source: Embase Weekly Updates Journal Title: The Lancet,The Lancet Article Title: Preventing deaths after prison release Year: 2024 Issue: Volume: Abstract: [Read more...](#)

6. Development of Serological Tools for Diagnosis of Human Herpesvirus 8 Infection and Their Application to Estimate Antibody Prevalence in English Blood and Organ Donor Populations

27-04-2024 - Ovid

Author Names: Godi A.,Hajarha Y.,Dicks S.,Jegatheesan K.,Ijaz S.,Ushiro-Lumb I. Database Source: Embase Weekly Updates Journal Title: Transplantation Article Title: Development of Serological Tools for Diagnosis of Human Herpesvirus 8 Infection and Their Application to Estimate Antibody Prevalence in English Blood and Organ Donor Populations Year: 2022 Issue: 9 Supplement Volume: 106 ... [Read more...](#)

7. Neuroactive steroids in the neuroendocrine control of food intake, metabolism, and reproduction

27-04-2024 - Ovid

Author Names: Rasic-Markovic A.,Djuric E.,Skrijelj D.,Bjekic-Macut J.,Ignjatovic D.,Sutulovic N.,Hrncic D.,Mladenovic D.,Markovic A.,Radenkovic S.,Radic L.,Radunovic N.,Stanojlovic O. Database Source: Embase Weekly Updates Journal Title: Endocrine,Endocrine Article Title: Neuroactive steroids in the neuroendocrine control of food intake, metabolism, and reproduction Year: 2024 Issue: Volume: ... [Read more...](#)

8. AOP report: Development of an adverse outcome pathway for deposition of energy leading to cataracts

27-04-2024 - Ovid

Author Names: Carrothers E.,Appleby M.,Lai V.,Kozbenko T.,Alomar D.,Smith B.J.,Hamada N.,Hinton P.,Ainsbury E.A.,Hocking R.,Yauk C.,Wilkins R.C.,Chauhan V. Database Source: Embase Daily Updates Journal Title: Environmental and molecular mutagenesis Article Title: AOP report: Development of an adverse outcome pathway for deposition of energy leading to cataracts Year: 2024 Issue: Volume: ... [Read more...](#)

9. Klebsiella pneumoniae sequence type 147: a high-risk clone increasingly associated with plasmids carrying both resistance and virulence elements

27-04-2024 - Ovid

Author Names: Turton J.F.,Perry C.,McGowan K.,Turton J.A.,Hope R. Database Source: Embase Weekly Updates Journal Title: Journal of medical microbiology Article Title: Klebsiella pneumoniae sequence type 147: a high-risk clone increasingly associated with plasmids carrying both resistance and virulence elements Year: 2024 Issue: 4 Volume: 73 Abstract: Introduction. [Read more...](#)

10. A genetically related cluster of Salmonella Typhimurium cases in humans associated with ruminant livestock and related food chains, United Kingdom, August 2021-December 2022

27-04-2024 - Ovid

Author Names: Merrick R.,Pulford C.,Rubeshkumar P.,Seyan P.,Fina L.,Sawyer C.,Pacchiarini N.,Pollock C.,Lighthill J.,Potter T.,Harvey N.,Thomas K.,Lloyd D.,Gherman I.,Mackintosh A.,Lawes J.,Snow L.,Waldram A.,Larkin L.,Balasegaram S.,Painset A.,McCormick J.,Elson R.,Browning L.,Williams C.,Andrew R.,Mably S.,Thomas D. Database Source: Embase Weekly Updates Journal Title: Epidemiology and ... [Read more...](#)

11. Inequalities in physical and mental health among people in prison

27-04-2024 - Ovid

Author Names: Edge C.,Hayward A. Database Source: Embase Weekly Updates Journal Title: The Lancet Public Health Article Title: Inequalities in physical and mental health among people in prison Year: 2024 Issue: 4 Volume: 9 Abstract: [Read more...](#)

12. Antibody kinetics between birth and three months of life in healthy infants with natural exposure to Group B streptococcus: A UK cohort study

27-04-2024 - Ovid

Author Names: Karampatsas K.,Hall T.,Voysey M.,Carreras-Abad C.,Cochet M.,Ramkhelawon L.,Peregrine E.,Andrews N.,Heath P.T.,Le Doare K. Database Source: Embase Weekly Updates Journal Title: Vaccine,Vaccine Article Title: Antibody kinetics between birth and three months of life in healthy infants with natural exposure to Group B streptococcus: A UK cohort study Year: 2024 Issue: Volume: ... [Read more...](#)

13. Effect of face-covering use on adherence to other COVID-19 protective behaviours: A systematic review

27-04-2024 - Ovid

Author Names: Millest A.,Saeed S.,Symons C.,Carter H. Database Source: Embase Weekly Updates Journal Title: PLoS ONE,PLoS ONE Article Title: Effect of face-covering use on adherence to other COVID-19 protective behaviours: A systematic review Year: 2024 Issue: 4 April Volume: 19 Abstract: During the COVID-19 pandemic, concerns were raised that face covering use may elicit risk compensation a ... [Read more...](#)

14. Nutritional Status and Quality of Life in Patients with Oral Squamous Cell Carcinoma Before and After Surgical Oncological Treatment: A Single-Center Retrospective Study

27-04-2024 - Ovid

Author Names: Stojanovic M.Z.,Krasic D.,Radovic P.,Trajkovic M.,Cosic A.,Petrovic V.,Pesic P. Database Source: Embase Daily Updates Journal Title: Medical Science Monitor,Medical Science Monitor Article Title: Nutritional Status and Quality of Life in Patients with Oral Squamous Cell Carcinoma Before and After Surgical Oncological Treatment: A Single-Center Retrospective Study Year: 2024 ... [Read more...](#)

15. Excess mortality in Europe coincides with peaks of COVID-19, influenza and respiratory syncytial virus (RSV), November 2023 to February 2024

27-04-2024 - Ovid

Author Names: Norgaard S.K.,Nielsen J.,Nordholm A.C.,Richter L.,Chalupka A.,Sierra N.B.,Braeye T.,Athanasidou M.,Lytras T.,Denissoff G.,Luomala O.,Fouillet A.,Pontais I.,an der Heiden M.,Zacher B.,Weigel A.,Foppa I.,Gkolfinopoulou K.,Panagoulas I.,Paldy A.,Malnasi T.,Domegan L.,Kelly E.,Rotem N.,Rakhlin O.,de'Donato F.K.,Blasi C.D.,Hoffmann P.,Velez T.,England K.,Calleja N.,van Asten L. [Read more...](#)

16. Interlaboratory comparison of a multiplex immunoassay that measures human serum IgG antibodies against six-group B streptococcus polysaccharides

27-04-2024 - Ovid

Author Names: Le Doare K.,Gaylord M.A.,Anderson A.S.,Andrews N.,Baker C.J.,Bolcen S.,Felek A.,Giardina P.C.,Grube C.D.,Hall T.,Hallis B.,Izu A.,Madhi S.A.,Maniatis P.,Matheson M.,Mawas F.,McKeen A.,Rhodes J.,Alston B.,Patel P.,Schrag S.,Simon R.,Tan C.Y.,Taylor S.,Kwatra G.,Gorringe A. Database Source: Embase Weekly Updates Journal Title: Human Vaccines and Immunotherapeutics, ... [Read more...](#)

17. Reviewing essential public health functions in the Eastern Mediterranean Region post COVID-19 pandemic: a foundation for system resilience

27-04-2024 - Ovid

Author Names: Mohamed-Ahmed O.,Aboutaleb H.,Latif S.,Watson H.L.,Handley R.,Humphreys E.,Gedik F.G.,De Sa J.,Zhang Y.,Bhatia T.,Dar O.,Saikat S.,Squires N.,Mataria A. Database Source: Embase Weekly Updates Journal Title: BMJ Global Health Article Title: Reviewing essential public health functions in the Eastern Mediterranean Region post COVID-19 pandemic: a foundation for system resilience ... [Read more...](#)

18. The Effects of an Eight-Week Swimming Program on Body Composition and Assessment of Dietary Intake in Post-COVID-19 Patients

27-04-2024 - Ovid

Author Names: Jakse B.,Gilic B.,Durovic M.,Sajber D. Database Source: Embase Weekly Updates Journal Title: Journal of Nutrition and Metabolism,Journal of Nutrition and Metabolism Article Title: The Effects of an Eight-Week Swimming Program on Body Composition and Assessment of Dietary Intake in Post-COVID-19 Patients Year: 2024 Issue: Volume: 2024 Abstract: COVID-19 infection and its ... [Read more...](#)

19. Dual Structure of a Vanadyl-Based Molecular Qubit Containing a Bis(beta-diketonato) Ligand

27-04-2024 - Ovid

Author Names: Imperato M.,Nicolini A.,Boniburini M.,Sartini D.,Benassi E.,Chiesa M.,Gigli L.,Liao Y.-K.,Raza A.,Salvadori E.,Sorace L.,Cornia A. Database Source: Embase Weekly Updates Journal Title: Inorganic chemistry Article Title: Dual Structure of a

Vanadyl-Based Molecular Qubit Containing a Bis(beta-diketonato) Ligand Year: 2024
Issue: Volume: Abstract: We designed [VO(bdhb)] (1') as a ... [Read more...](#)

20. Sepsis and case fatality rates and associations with deprivation, ethnicity, and clinical characteristics: population-based case-control study with linked primary care and hospital data in England

27-04-2024 - Ovid

Author Names: van Staa T.P.,Pate A.,Martin G.P.,Sharma A.,Dark P.,Felton T.,Zhong X.,Bladon S.,Cunningham N.,Gilham E.L.,Brown C.S.,Mirfenderesky M.,Palin V.,Ashiru-Oredope D. Database Source: Embase Weekly Updates Journal Title: Infection,Infection Article Title: Sepsis and case fatality rates and associations with deprivation, ethnicity, and clinical characteristics: population-based ... [Read more...](#)

21. Evaluating the impact of genomic epidemiology of methicillin-resistant Staphylococcus aureus (MRSA) on hospital infection prevention and control decisions

27-04-2024 - Ovid

Author Names: Blane B.,Raven K.E.,Brown N.M.,Harrison E.M.,Coll F.,Thaxter R.,Enoch D.A.,Gouliouris T.,Leek D.,Girgis S.T.,Akram A.,Matuszewska M.,Rhodes P.,Parkhill J.,Peacock S.J. Database Source: Embase Weekly Updates Journal Title: Microbial genomics Article Title: Evaluating the impact of genomic epidemiology of methicillin-resistant Staphylococcus aureus (MRSA) on hospital infection ... [Read more...](#)

22. COVID-19 inequalities in England: a mathematical modelling study of transmission risk and clinical vulnerability by socioeconomic status

27-04-2024 - Ovid

Author Names: Goodfellow L.,van Leeuwen E.,Eggo R.M. Database Source: Embase Weekly Updates Journal Title: BMC Medicine,BMC Medicine Article Title: COVID-19 inequalities in England: a mathematical modelling study of transmission risk and clinical vulnerability by socioeconomic status Year: 2024 Issue: 1 Volume: 22 Abstract: Background: The COVID-19 pandemic resulted in major inequalities in ... [Read more...](#)

23. Environmental Surveillance for Salmonella Typhi and its Association With Typhoid Fever Incidence in India and Malawi

27-04-2024 - Ovid

Author Names: Uzzell C.B.,Abraham D.,Rigby J.,Troman C.M.,Nair S.,Elviss N.,Kathiresan L.,Srinivasan R.,Balaji V.,Zhou N.A.,Meschke J.S.,John J.,Kang G.,Feasey N.,Mohan V.R.,Grassly N.C. Database Source: Embase Weekly Updates Journal Title: Journal of Infectious Diseases,Journal of Infectious Diseases Article Title: Environmental Surveillance for Salmonella Typhi and its Association With ... [Read more...](#)

24. Evaluation of the impact of iPSC differentiation protocols on transcriptomic signatures

27-04-2024 - Ovid

Author Names: Chandrasekaran V.,Wellens S.,Bourguignon A.,Djidrovski I.,Fransen L.,Ghosh S.,Mazidi Z.,Murphy C.,Nunes C.,Singh P.,Zana M.,Armstrong L.,Dinnyes A.,Grillari J.,Grillari-Voglauer R.,Leonard M.O.,Verfaillie C.,Wilmes A.,Zurich M.-G.,Exner T.,Jennings P.,Culot M. Database Source: Embase Weekly Updates Journal Title: Toxicology in vitro : an international journal published in ... [Read more...](#)

25. Tonsillectomy for recurrent tonsillitis: the NATTINA trial

27-04-2024 - Ovid

Author Names: Jones C.R.,Guy R.L.,Mirfenderesky M.,Brown C.S.,Lamagni T. Database Source: Embase Daily Updates Journal Title: The Lancet,The Lancet Article Title: Tonsillectomy for recurrent tonsillitis: the NATTINA trial Year: 2024 Issue: 10437 Volume: 403 Abstract: [Read more...](#)

26. The End of B/Yamagata Influenza Transmission - Transitioning from Quadrivalent Vaccines

27-04-2024 - Ovid

Author Names: Monto A.S., Zambon M., Weir J.P. Database Source: Embase Weekly Updates Journal Title: New England Journal of Medicine, New England Journal of Medicine Article Title: The End of B/Yamagata Influenza Transmission - Transitioning from Quadrivalent Vaccines Year: 2024 Issue: 14 Volume: 390 Abstract: [Read more...](#)

27. Deciphering Local Structural Complexity in Zn/Ga-ZrO₂ CO₂ Hydrogenation Catalysts

27-04-2024 - Ovid

Author Names: Salusso D., Ticali P., Stoian D., Wang S., Fan W., Morandi S., Borfecchia E., Bordiga S. Database Source: Embase Weekly Updates Journal Title: The journal of physical chemistry letters Article Title: Deciphering Local Structural Complexity in Zn/Ga-ZrO₂ CO₂ Hydrogenation Catalysts Year: 2024 Issue: Volume: Abstract: In the last few decades, massive effort has been expended in ... [Read more...](#)

28. Pathological and transcript analysis of protection induced by MTBVAC and BCG against Mycobacterium tuberculosis infection in rhesus macaques

27-04-2024 - Ovid

Author Names: Salguero F.J., Medley J., Hunter L., Ruedas-Torres I., Bird A., Puentes E., Rodriguez E., Waddell S.J., Martin C., Sharpe S. Database Source: Embase Weekly Updates Journal Title: Journal of Comparative Pathology Article Title: Pathological and transcript analysis of protection induced by MTBVAC and BCG against Mycobacterium tuberculosis infection in rhesus macaques Year: 2024 Issue: ... [Read more...](#)

29. Surveillance system integration: reporting the results of a global multicountry survey

27-04-2024 - Ovid

Author Names: Carter E.D., Stewart D.E., Rees E.E., Bezuidenhout J.E., Ng V., Lynes S., Desenclos J.C., Pyone T., Lee A.C.K. Database Source: Embase Weekly Updates Journal Title: Public Health, Public Health Article Title: Surveillance system integration: reporting the results of a global multicountry survey Year: 2024 Issue: Volume: 231 Abstract: Objectives: Currently, ... [Read more...](#)

30. Combining models to generate a consensus effective reproduction number R for the COVID-19 epidemic status in England

27-04-2024 - Ovid

Author Names: Manley H., Park J., Bevan L., Sanchez-Marroquin A., Danelian G., Bayley T., Bowman V., Maishman T., Finnie T., Charlett A., Watkins N.A., Hutchinson J., Medley G., Riley S., Panovska-Griffiths J., Birrell P.J., De Angelis D., Keeling M., Pellis L., Baguelin M., Ackland G.J., Read J., Jewell C., Challen R. Database Source: Embase Weekly Updates Journal Title: Epidemiology and Infection, ... [Read more...](#)

31. Understanding current antenatal Hepatitis C testing and care in maternity services in England

27-04-2024 - Ovid

Author Names: Vusirikala A., Threadgold G., Roche R., Hibbert M., Simmons R., Webb S., Gillyon-Powell M., Desai M., Mandal S. Database Source: Embase Daily Updates Journal Title: Journal of perinatal medicine Article Title: Understanding current antenatal Hepatitis C testing and care in maternity services in England Year: 2024 Issue: Volume: Abstract: OBJECTIVES: Universal opt-out antenatal screening ... [Read more...](#)

32. A 17-month longitudinal surface sampling study carried out on public transport vehicles operating in England during the COVID-19 pandemic identified low levels of SARS-CoV-2 RNA contamination

27-04-2024 - Ovid

Author Names: Aranega-Bou P.,Pottage T.,Fenwick A.,D'Costa W.,Brown N.F.,Yaxley N.,King M.-F.,Parker S.T.,Miller D.,Lopez-Garcia M.,Noakes C.J.,Moore G.,Bennett A. Database Source: Embase Daily Updates Journal Title: Journal of applied microbiology Article Title: A 17-month longitudinal surface sampling study carried out on public transport vehicles operating in England during the COVID-19 ... [Read more...](#)

33. Experiences of mpox illness and case management among cis and trans gay, bisexual and other men who have sex with men in England: a qualitative study

27-04-2024 - Ovid

Author Names: Witzel T.C.,Ghobrial A.,Palich R.,Charles H.,Rodger A.J.,Sabin C.,Sparrowhawk A.,Pool E.R.M.,Prochazka M.,Vivancos R.,Sinka K.,Folkard K.,Burns F.M.,Saunders J. Database Source: Embase Weekly Updates Journal Title: eClinicalMedicine Article Title: Experiences of mpox illness and case management among cis and trans gay, bisexual and other men who have sex with men in England: a ... [Read more...](#)

34. Pregnant women and measles: we need to be vigilant during outbreaks

27-04-2024 - Ovid

Author Names: Khalil A.,Samara A.,Campbell C.,Ladhani S.N. Database Source: Embase Weekly Updates Journal Title: eClinicalMedicine Article Title: Pregnant women and measles: we need to be vigilant during outbreaks Year: 2024 Issue: Volume: 72 Abstract: A number of countries including the UK are currently experiencing large outbreaks of measles affecting mainly young children but also ... [Read more...](#)

35. Invasive pneumococcal disease 3 years after introduction of a reduced 1+1 infant 13-valent pneumococcal conjugate vaccine immunisation schedule in England: a prospective national observational surveillance study

27-04-2024 - Ovid

Author Names: Bertran M.,D'Aeth J.C.,Abdullahi F.,Eletu S.,Andrews N.J.,Ramsay M.E.,Litt D.J.,Ladhani S.N. Database Source: Embase Weekly Updates Journal Title: The Lancet Infectious Diseases,The Lancet Infectious Diseases Article Title: Invasive pneumococcal disease 3 years after introduction of a reduced 1+1 infant 13-valent pneumococcal conjugate vaccine immunisation schedule in England: a ... [Read more...](#)

36. A critique of using epitaxial criterion to discriminate between protogenetic and syngenetic mineral inclusions in diamond

27-04-2024 - Ovid

Author Names: Bruno M.,Ghignone S.,Aquilano D.,Nestola F. Database Source: Embase Weekly Updates Journal Title: Scientific reports Article Title: A critique of using epitaxial criterion to discriminate between protogenetic and syngenetic mineral inclusions in diamond Year: 2024 Issue: 1 Volume: 14 Abstract: Distinguishing syngenetic from protogenetic inclusions in natural diamonds is one of ... [Read more...](#)

37. Cost-effectiveness of 4CMenB vaccination against gonorrhoea: importance of dosing schedule, vaccine sentiment, targeting strategy, and duration of protection

27-04-2024 - Ovid

Author Names: Nikitin D.,Whittles L.K.,Imai-Eaton J.W.,White P.J. Database Source: Embase Weekly Updates Journal Title: The Journal of infectious diseases Article Title: Cost-effectiveness of 4CMenB vaccination against gonorrhoea: importance of dosing schedule, vaccine sentiment, targeting strategy, and duration of protection Year: 2024 Issue: Volume: Abstract: BACKGROUND: Observational ... [Read more...](#)

38. Prognostic implication of lung ultrasound in heart failure: pooled analysis of international cohorts

27-04-2024 - Ovid

Author Names: Rastogi T.,Gargani L.,Pellicori P.,Lamiral Z.,Ambrosio G.,Bayes-Genis A.,Domingo M.,Lupon J.,Simonovic D.,Pugliese N.R.,Ruocco G.,Duarte K.,Coiro S.,Palazzuoli A.,Girerd N. Database Source: Embase Weekly Updates Journal Title: European heart journal. Cardiovascular Imaging Article Title: Prognostic implication of lung ultrasound in heart failure: pooled analysis of international ... [Read more...](#)

39. Spread of carbapenemase-producing *Morganella* spp from 2013 to 2021: a comparative genomic study

27-04-2024 - National Library of Medicine

BACKGROUND: *Morganella* spp are opportunistic pathogens involved in various infections. Intrinsic resistance to multiple antibiotics (including colistin) combined with the emergence of carbapenemase producers reduces the number of active antimicrobials. The aim of this study was to characterise genetic features related to the spread of carbapenem-resistant *Morganella* spp. [Read more...](#)

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