



Infection Current Awareness Update

08/07/2024

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.

If you have any queries, please contact us at libraries@ukhsa.gov.uk, and if you would like to request a literature search, please use the **Knowledge and Library Services Enquiries Portal**.

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**.

We do not accept responsibility for the availability or reliability of the items of content included in this alert and their inclusion is not an endorsement of any views that may be expressed.

CONTENTS

COVID-19 related research

- **COVID-19 infection**

Infection-related guidance

- **European Centre for Disease Prevention and Control**

Infection-related journals

- **American Journal of Infection Control**
- **Clinical Infectious Diseases**
- **Current Opinion in Microbiology**
- **Diagnostic Microbiology and Infectious Disease**
- **Emerging Infectious Diseases Journal - CDC**
- **European Journal of Clinical Microbiology and Infectious Disease**
- **Eurosurveillance**
- **Infection**
- **International Journal of Infectious Diseases**

- [Journal of Clinical Microbiology](#)
- [Journal of Hospital Infection](#)
- [Journal of Infection](#)
- [Journal of Medical Microbiology](#)
- [The Lancet](#)
- [The Lancet: Microbe](#)
- [Microbiology and Molecular Biology Reviews](#)
- [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. Revolving door: You are free to influence us "behind the scenes," FDA tells staff leaving for industry jobs

02-07-2024 - *British Medical Journal*

During his final three years at the US Food and Drug Administration the physician scientist Doran Fink's work focused on reviewing covid-19 vaccines. But a decade after joining the agency Fink had accepted a job with Moderna, the covid vaccine manufacturer, and was undergoing mandatory FDA exit requirements. As he left for the private sector, the FDA's ethics programme staff emailed him ... [Read more...](#)

2. [Comment] Political courage needed to prevent the next pandemic

18-06-2024 - *Elsevier*

In May, 2021, The Independent Panel for Pandemic Preparedness and Response, in which most of us were involved, recommended a package of transformational but practicable recommendations that, if implemented, could make COVID-19 the last pandemic of such devastation.¹ But 3 years later, only limited progress has been made. Political leaders need to unite now in the mutual interest of making the ... [Read more...](#)

[Back to Top](#)

Infection-related guidance

European Centre for Disease Prevention and Control

1. Communicable disease threats report, 29 June–5 July 2024, week 27

05-07-2024 - *European Centre for Disease Prevention and Control: ECDC (Europa)*

This issue of the ECDC Communicable Disease Threats Report (CDTR) covers the period 29 June–5 July 2024 and includes updates on SARS-CoV-2 variant classification, swine influenza, an overview of respiratory virus epidemiology in the EU/EEA, parvovirus infection, avian influenza, West Nile virus infections, mass gatherings and botulism. [Read more...](#)

Infection-related journals

American Journal of Infection Control

1. Steam quality monitoring as a strategy to reduce wet packs and sterilization failure

05-07-2024 - Elsevier

Hospital articles processed by steam are widely used in the Central Sterile Supply Department (CSSD), responsible for cleaning, disinfection, preparation, and sterilization. Steam sterilization is discussed worldwide, aiming to protect patients, and technical norms help to standardize the entire process. If steam is outside the specified requirements, the sterilization process may fail, ... [Read more...](#)

2. A coronavirus disease 2019 outbreak in a residential living facility with suboptimal ventilation in resident rooms

03-07-2024 - Elsevier

We report a large outbreak of SARS-CoV-2 in a residential living facility. Measurements of carbon dioxide levels, aerosol particle clearance, and airflow were used to identify and remediate areas with suboptimal ventilation. A simple intervention involving continuous operation of bathroom fans was effective in significantly improving ventilation in resident rooms. [Read more...](#)

3. COVID-19 infections among healthcare workers at a university hospital in Jeddah, Saudi Arabia

03-07-2024 - Elsevier

To describe the prevalence, characteristics, and risk factors of COVID-19 infection among healthcare workers (HCWs) at King Abdulaziz University Hospital, Jeddah, Saudi Arabia. [Read more...](#)

4. Effectiveness of A Multi-modal Strategy to Reduce External Ventricular Drain Associated Infection: A Quasi-experimental Study

03-07-2024 - Elsevier

Infection is a serious complication in neurosurgical patients who undergo external ventricular drain (EVD) insertion and is associated with high morbidity and mortality. [Read more...](#)

5. Harnessing the Power of Infection Prevention and Public Health Data Systems to Support Healthcare in Washington State During the COVID-19 Pandemic

03-07-2024 - Elsevier

State health departments' (SHD) role in infection prevention and control (IPC) includes robust educational and consultative services for various healthcare settings. During the COVID-19 pandemic, Washington-SHD (W-SHD) IPC staff conducted remote and onsite infection control assessment and response (ICAR) consultations for long-term care and non-LTC healthcare facilities. [Read more...](#)

6. Building a Biocontainment Unit: Infrastructure and organizational experiences of the 13 regional biocontainment units in the United States

03-07-2024 - Elsevier

The United States (US) system for special pathogen care began with a tiered structure in 2014 with the US experience treating patients with Ebola Virus Disease. Over the past decade, the federally funded US biocontainment units (BCUs), termed Regional Emerging Special Pathogen Treatment Centers (RESPTCs), have maintained operational readiness to care for patients afflicted by high-consequence ... [Read more...](#)

7. What Influences the Close Contact between healthcare workers and patients? An Observational Study in a Hospital Dental Outpatient Department

02-07-2024 - Elsevier

Dental outpatient departments, characterized by close proximity and unmasked patients, present a considerable risk of respiratory infections for healthcare workers (HCWs). However, the lack of comprehensive data on close contact (<1.5m) between HCWs and patients poses a significant obstacle to the development of targeted control strategies. [Read more...](#)

8. Evaluating the Role of Mycobacterium Tuberculosis PCR in Ruling Out Active Tuberculosis

02-07-2024 - Elsevier

Laboratory algorithms using Acid Fast Bacilli (AFB) staining and Mycobacterium tuberculosis (Mtb) polymerase chain reaction (PCR) are often used to remove isolation precautions. A retrospective case review of 52 patients with culture confirmed pulmonary Mtb revealed 4 subjects with negative sputum AFB smears and negative Mtb PCRs. All had significant risk factors for Mtb and had a positive ... [Read more...](#)

9. A Survey of Infection Prevention and Animal Assisted Activity Policies in Healthcare Facilities - United States, 2023

02-07-2024 - Elsevier

In a survey of 104 U.S. infectious disease specialists, 88% reported working in facilities that allow Animal Assisted Activities or Pet Visitation. Variability existed in the species of animals allowed, restricted areas, and veterinary assessments, demonstrating a need to standardize infection prevention approaches across healthcare facilities to mitigate potential risks. [Read more...](#)

[Back to Top](#)

Clinical Infectious Diseases

1. 2024 Clinical Practice Guideline Update by the Infectious Diseases Society of America on Complicated Intra-abdominal Infections: Risk Assessment, Diagnostic Imaging, and Microbiological Evaluation in Adults, Children, and Pregnant People

05-07-2024 - Oxford University Press

[Read more...](#)

2. 2024 Clinical Practice Guideline Update by the Infectious Diseases Society of America on Complicated Intra-abdominal Infections: Risk Assessment in Adults and Children

04-07-2024 - Oxford University Press

[Read more...](#)

3. 2024 Clinical Practice Guideline Update by the Infectious Diseases Society of America on Complicated Intra-abdominal Infections: Diagnostic Imaging of Suspected Acute Cholecystitis and Acute Cholangitis in Adults, Children, and Pregnant People

04-07-2024 - Oxford University Press

[Read more...](#)

4. 2024 Clinical Practice Guideline Update by the Infectious Diseases Society of America on Complicated Intra-abdominal Infections: Utility of Blood Cultures in Adults, Children, and Pregnant People

04-07-2024 - Oxford University Press

[Read more...](#)

5. 2024 Clinical Practice Guideline Update by the Infectious Diseases Society of America on Complicated Intra-abdominal Infections: Diagnostic Imaging of Suspected Acute Intra-abdominal Abscess in Adults, Children, and Pregnant People

04-07-2024 - Oxford University Press

[Read more...](#)

6. 2024 Clinical Practice Guideline by the Infectious Diseases Society of America on Complicated Intra-abdominal Infections: Utility of Intra-abdominal Fluid Cultures in Adults, Children, and Pregnant People

04-07-2024 - Oxford University Press

[Read more...](#)

7. 2024 Clinical Practice Guideline Update by the Infectious Diseases Society of America on Complicated Intra-abdominal Infections: Diagnostic Imaging of Suspected Acute Appendicitis in Adults, Children, and Pregnant People

04-07-2024 - Oxford University Press

[Read more...](#)

8. Early Detection of Cancer and Precancerous Lesions in Persons with HIV through a Comprehensive Cancer Screening Protocol

03-07-2024 - Oxford University Press

A comprehensive cancer screening protocol integrated into routine HIV care detected many with precursor lesions and early-stage cancers, enabling timely treatment. High adherence and positive feedback suggest strong implementation potential in real-world healthcare settings. [Read more...](#)

9. 2024 Clinical Practice Guideline Update by the Infectious Diseases Society of America on Complicated Intra-abdominal Infections: Diagnostic Imaging of Suspected Acute Diverticulitis in Adults and Pregnant People

03-07-2024 - Oxford University Press

[Read more...](#)

10. Rapid Wane and Recovery of XBB Sublineage Neutralization After Sequential Omicron-based Vaccination in Solid Organ Transplant Recipients

02-07-2024 - Oxford University Press

[Read more...](#)

11. Conversion or reversion of interferon gamma release assays for infection: a systematic review and meta-analysis

02-07-2024 - Oxford University Press

We reviewed studies reporting IGRA conversion or reversion with repeat testing. IGRA conversion was infrequent, and often transient. In contrast, IGRA reversion was common, and less frequently transient. Reversion of indeterminate results to positive was rare. [Read more...](#)

12. Ocular syphilis in patients with nonreactive RPR and positive treponemal serologies: a retrospective observational cohort study

02-07-2024 - Oxford University Press

[Read more...](#)

13. Correction to: Clinical Features and Outcomes of Infections Caused by Metallo- β -Lactamase–Producing Enterobacterales: A 3-Year Prospective Study From an Endemic Area

02-07-2024 - Oxford University Press

[Read more...](#)

[Back to Top](#)

Current Opinion in Microbiology

1. Innate immune response to *Candida auris*

04-07-2024 - *ScienceDirect*

Publication date: August 2024 Source: Current Opinion in Microbiology, Volume 80 Author(s): Ashley M Holt, Jeniel E Nett [Read more...](#)

2. The impact of the host microbiota on *Candida albicans* infection

02-07-2024 - *ScienceDirect*

Publication date: August 2024 Source: Current Opinion in Microbiology, Volume 80 Author(s): Eve WL Chow, Li M Pang, Yue Wang [Read more...](#)

[Back to Top](#)

Diagnostic Microbiology and Infectious Disease

1. Early Detection of Bacteremia Pathogens with Rapid Molecular Diagnostic Tests and Evaluation of Effect on Intensive Care Patient Management

07-07-2024 - *ScienceDirect*

Publication date: Available online 7 July 2024 Source: Diagnostic Microbiology and Infectious Disease Author(s): Tuba TATLI-KIS, Suleyman YILDIRIM, Can BICMEN, Cenk KIRAKLI [Read more...](#)

2. Performance characteristics of genus or species-specific Polymerase Chain Reaction (PCR) for the microbial diagnosis of joint infections: a systematic review and meta-analysis

07-07-2024 - *ScienceDirect*

Publication date: Available online 7 July 2024 Source: Diagnostic Microbiology and Infectious Disease Author(s): Shradha Subedi, Burcu Isler, Yukiko Ezure, Luis Furuya-Kanamori, Lars Eriksson, David L Paterson, Patrick NA Harris [Read more...](#)

3. Successful *Mycobacterium tuberculosis* culture isolation from tongue swabs: results from both experimentally infected and clinical swabs from pulmonary tuberculosis patients

07-07-2024 - *ScienceDirect*

Publication date: Available online 6 July 2024 Source: Diagnostic Microbiology and Infectious Disease Author(s): Leen RIGOUTS, Moussa CONDÉ, Souleymane HASSANE-HAROUNA, Kindy BAH, Mourad GUMUSBOGA, Morten Ruhwald, Rabab REENAERS, Krista FISSETTE, Mary GAICHIRI, Margaretha DE VOS, Bouke C DE JONG [Read more...](#)

4. *Tropheryma whippelii* pneumonia revealed by Metagenomic next-generation sequencing: Report of Two Cases

06-07-2024 - *ScienceDirect*

Publication date: Available online 6 July 2024 Source: Diagnostic Microbiology and Infectious Disease Author(s): Yuhan Tao, Rao Du, Hui Mao [Read more...](#)

5. Diagnostic performance of multiplex lateral flow tests in ambulatory patients with acute respiratory illness

04-07-2024 - *ScienceDirect*

Publication date: Available online 4 July 2024 Source: Diagnostic Microbiology and Infectious Disease Author(s): Caitriona Murphy, Loretta Mak, Samuel M.S. Cheng, Gigi Y.Z. Liu, Alan M.C. Chun, Katy K.Y. Leung, Natalie Y.W. Sum, Eero Poukka, Malik Peiris, Benjamin J. Cowling [Read more...](#)

6. Comparison of Vaginal Microbiota in HPV-Negative and HPV-Positive Pregnant Women Using a Culture-Based Approach

03-07-2024 - *ScienceDirect*

Publication date: Available online 3 July 2024 Source: Diagnostic Microbiology and Infectious

Disease Author(s): Podoprighora Irina, Vasina Alena, Mbarga Manga Joseph Arsene, Das Milana, Pikina Alla, Kafarskaya Lyudmila, Efimov Boris [Read more...](#)

[Back to Top](#)

Emerging Infectious Diseases Journal - CDC

1. Outbreak of Intermediate Species *Leptospira venezuelensis* Spread by Rodents to Cows and Humans in *L. interrogans*–Endemic Region, Venezuela

02-07-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

L. Caraballo et al. [Read more...](#)

2. Panton-Valentine Leukocidin–Positive *Staphylococcus aureus* in Family and Pet Cat

02-07-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

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

3. Infective SARS-CoV-2 in Skull Sawdust at Autopsy, Finland

02-07-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

J. N. Kantonen et al. [Read more...](#)

4. Microbiota [mī''-krō-bī'-ō-'tə], microbiome [mī''-krō-bī'-ōm]

01-07-2024 - *Centers for Disease Control and Prevention (CDC) (USA)*

J. Cabrera and D. Monte [Read more...](#)

[Back to Top](#)

European Journal of Clinical Microbiology and Infectious Disease

1. Evaluation of the in vitro activity of ampicillin-sulbactam and cefoperazone-sulbactam against *A. Baumannii* by the broth disk elution test

06-07-2024 - *Springer*

[Read more...](#)

2. Seven-day antibiotic therapy for Enterobacterales bacteremia in high-risk neutropenic patients: toward a new paradigm

03-07-2024 - *Springer*

[Read more...](#)

3. Genomic insights into *Leminorella grimontii* and its chromosomal class A GRI β -lactamase

03-07-2024 - *Springer*

[Read more...](#)

4. Abbott realti m e MTB assay for detecting *Mycobacterium tuberculosis* complex in respiratory specimens: a cost-benefit analysis

03-07-2024 - *Springer*

[Read more...](#)

5. Oral HPV infection clearance and acquisition after nonavalent vaccination in men who have sex with men and transgender women: a prospective analysis

02-07-2024 - Springer

[Read more...](#)

[Back to Top](#)

Eurosurveillance

1. Outbreak of *Ralstonia pickettii* associated with contamination of saline products distributed internationally, the United Kingdom, 2024

04-07-2024 - Eurosurveillance

We describe an outbreak of *Ralstonia pickettii* in the United Kingdom, with isolates genetically indistinguishable from a 2023 Australian outbreak linked to internationally distributed saline solutions. Confirmed cases ($n = 3$) had bacteraemia, clinically relevant infection, indwelling venous lines and frequent healthcare contact. Multi-stakeholder intervention was required including product ... [Read more...](#)

2. Epidemiology of Q fever in humans in four selected regions, Spain, 2016 to 2022

04-07-2024 - Eurosurveillance

Background Q fever is a bacterial zoonosis caused by *Coxiella burnetii*. Spain has the highest number of notified human cases in Europe. Small ruminants are a key reservoir for the pathogen, transmission from animals to humans is usually airborne. Aim We aimed at exploring temporal and spatial epidemiological patterns of sporadic and outbreak cases of Q fever in four Spanish regions with the ... [Read more...](#)

3. Job vacancies at the European Centre for Disease Prevention and Control

04-07-2024 - Eurosurveillance

[Read more...](#)

4. Use of proxy indicators for automated surveillance of severe acute respiratory infection, the Netherlands, 2017 to 2023: a proof-of-concept study

04-07-2024 - Eurosurveillance

Background Effective pandemic preparedness requires robust severe acute respiratory infection (SARI) surveillance. However, identifying SARI patients based on symptoms is time-consuming. Using the number of reverse transcription (RT)-PCR tests or contact and droplet precaution labels as a proxy for SARI could accurately reflect the epidemiology of patients presenting with SARI. [Read more...](#)

5. Continued circulation of mpox: an epidemiological and phylogenetic assessment, European Region, 2023 to 2024

04-07-2024 - Eurosurveillance

During the summer of 2023, the European Region experienced a limited resurgence of mpox cases following the substantial outbreak in 2022. This increase was characterised by asynchronous and bimodal increases, with countries experiencing peaks at different times. The demographic profile of cases during the resurgence was largely consistent with those reported previously. [Read more...](#)

[Back to Top](#)

Infection

1. Tinea corporis caused by *Trichophyton Equinum* as occupational infection in riders

05-07-2024 - Springer

[Read more...](#)

2. Evaluation and implementation of optimized antimicrobial dosing strategies in obese and underweight patients

05-07-2024 - Springer

[Read more...](#)

3. A role for ceftazidime/avibactam combination therapy: the question may still be on the table

04-07-2024 - Springer

[Read more...](#)

4. Clinical relevance of Staphylococcus saccharolyticus detection in human samples: a retrospective cohort study

04-07-2024 - Springer

[Read more...](#)

5. Gentamicin combination treatment is associated with lower mortality in patients with invasive listeriosis: a retrospective analysis

04-07-2024 - Springer

[Read more...](#)

6. Impact of multidrug resistance on the virulence and fitness of Pseudomonas aeruginosa : a microbiological and clinical perspective

02-07-2024 - Springer

[Read more...](#)

7. Post-tuberculosis treatment paradoxical reactions

02-07-2024 - Springer

[Read more...](#)

8. The high-incidence period of Mycoplasma pneumoniae infections 2023/2024 in southeast Germany was associated with a low level of macrolide resistance

01-07-2024 - Springer

[Read more...](#)

[Back to Top](#)

International Journal of Infectious Diseases

1. Efficacy of Infliximab, Abatacept, and Cenicriviroc for the Treatment of Adults Hospitalized with COVID-19 Pneumonia

07-07-2024 - ScienceDirect

Publication date: Available online 7 July 2024
Source: International Journal of Infectious Diseases
Author(s): Dan-Yu Lin, Jianqiao Wang, Kevin J. Anstrom, Lisa M. LaVange, Jun Wen, Samuel A. Bozzette, William G. Powderly, ACTIV-1 IM Study Group [Read more...](#)

2. Association between chlorine-treated drinking water, the gut microbiome, and enteric pathogen burden in young children in Haiti: an observational study

07-07-2024 - ScienceDirect

Publication date: Available online 6 July 2024
Source: International Journal of Infectious Diseases
Author(s): Denise Chac, Damien M. Slater, Yodeline Guillaume, Chelsea N. Dunmire, Ralph Ternier, Kenia Vissières, Stanley Juin, Mentor Ali Ber Lucien, Jacques Boncy, Vanessa M. Sanchez, Mia G. Dumayas, Gertrude Cene Augustin, Taufiqur R. Bhuiyan, Firdausi Qadri, Fahima Chowdhury, Ashraf I. [Read more...](#)

3. Variability in COVID-19 Symptom Presentation During Pregnancy and its Impact on Maternal and Infant Outcomes Across the Pandemic

05-07-2024 - *ScienceDirect*

Publication date: Available online 5 July 2024 Source: International Journal of Infectious Diseases Author(s): Julia Günther, Yvonne Ziert, Kristin Andresen, Ulrich Pecks, Frauke von Versen-Höynck, Sophia Ajouby, Clara Backes, Constanze Banz-Jansen, Susanne Beckmann, Martin A. Berghaeuser, Michael K. Bohlmann, Ulf Dammer, Iris Dressler-Steinbach, Irmgard E. Drost, Sara Fill Malfertheiner, ... [Read more...](#)

4. Recent symptomatic omicron infection reduced COVID-19 pneumonia risk during reinfection: A computed tomography-based cohort study

04-07-2024 - *ScienceDirect*

Publication date: Available online 4 July 2024 Source: International Journal of Infectious Diseases Author(s): Yulan Zheng, Shijun Jia, Lu Tang, Lu Yu, Xuejiao Yang, Shuai Yang, Qingtian Ke, Zhengjiang Cheng, Yufang Zhu, Hui Chen, Peng Hong [Read more...](#)

5. COVID-19 in patients with haematologic malignancies: effect of RNAemia on clinical outcome in vaccinated patients

04-07-2024 - *ScienceDirect*

Publication date: Available online 3 July 2024 Source: International Journal of Infectious Diseases Author(s): Javier Martín-Escolano, Sonsoles Salto-Alejandre, Carmen Infante-Domínguez, Marta Carretero-Ledesma, Natalia Maldonado-Lizarazo, Pedro Camacho-Martínez, Francisco Martín-Domínguez, Inmaculada Tallon-Ruiz, Ana Ruiz-Molina, Zaira Palacios-Baena, Patricia Pérez-Palacios, ... [Read more...](#)

6. Lobar pneumonia due to human metapneumovirus: a case report

04-07-2024 - *ScienceDirect*

Publication date: Available online 3 July 2024 Source: International Journal of Infectious Diseases Author(s): Masanori Kawataki, Akihiro Ito, Takashi Koyama, Tadashi Ishida [Read more...](#)

7. Relative vaccine effectiveness of MF59®-adjuvanted vs high-dose trivalent inactivated influenza vaccines for prevention of test-confirmed influenza hospitalizations during the 2017–2020 influenza seasons

04-07-2024 - *ScienceDirect*

Publication date: Available online 3 July 2024 Source: International Journal of Infectious Diseases Author(s): Ian McGovern, Benjamin Chastek, Tim Bancroft, Noah Webb, Mahrukh Imran, Stephen I. Pelton, Mendel D.M. Haag [Read more...](#)

8. Global and regional seroprevalence, incidence, mortality of, and risk factors for scrub typhus: a systematic review and meta-analysis

03-07-2024 - *ScienceDirect*

Publication date: Available online 2 July 2024 Source: International Journal of Infectious Diseases Author(s): Qian Wang, Tian Ma, Fangyu Ding, Ahyoung Lim, Saho Takaya, Kartika Saraswati, Benn Sartorius, Prof Nicholas PJ Day, Prof Richard J Maude [Read more...](#)

9. Recent increase in infant pertussis cases in Europe and the critical importance of antenatal immunisations: we must do better...now

02-07-2024 - *ScienceDirect*

Publication date: Available online 2 July 2024 Source: International Journal of Infectious Diseases Author(s): Asma Khalil, Athina Samara, Helen Campbell, Shamez N Ladhani, Gayatri Amirthalingam [Read more...](#)

10. The 2023 – 2024 multi-source mpox outbreaks of Clade I MPXV in sub-Saharan Africa: alarm bell for Africa and the World

02-07-2024 - *ScienceDirect*

Publication date: Available online 1 July 2024 Source: International Journal of Infectious Diseases Author(s): Muge Cevik, Oyewale Tomori, Placide Mbala, Alessandra Scagliarini, Eskild Petersen, Nicola Low, David Heymann, Shui Shan Lee, Lucille Blumberg [Read more...](#)

[Back to Top](#)

Journal of Clinical Microbiology

1. When less is more: the art of communicating clinical microbiology results

02-07-2024 - *American Society for Microbiology*

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

[Back to Top](#)

Journal of Hospital Infection

1. The drainome: longitudinal metagenomic characterisation of wastewater from hospital ward sinks to characterize the microbiome and resistome and assess the effects of decontamination interventions

03-07-2024 - *Journal of Hospital Infection*

Hospital drains and water interfaces are implicated in nosocomial transmission of pathogens. Metagenomics can assess the microbial composition and presence of antimicrobial resistance genes in drains ('the drainome') but studies applying these methods longitudinally and to assess infection control interventions are lacking. [Read more...](#)

2. Occurrence and trends of *Clostridioides difficile* infections in hospitalized patients: a prospective multicentre cohort study in six German university hospitals, 2016-2020

03-07-2024 - *Journal of Hospital Infection*

For *Clostridioides difficile* infections (CDI) in Germany no longitudinal multicentre studies with standardized protocols for diagnosing CDI are available. Recent evaluations of general surveillance databases in Germany indicate a downward trend in CDI rates. We aimed to describe the actual burden and trends of CDI in German university hospitals from 2016 to 2020. [Read more...](#)

3. Water free patient care, a narrative review of the literature and discussion of the pressing need for a way forward

03-07-2024 - *Journal of Hospital Infection*

Florence Nightingale was the first person to recognise the link between the built environment and patient ill-health. More than 160 years later the threat of the end of the antibiotic era looms large. The AMR action plan focuses on antimicrobial stewardship and developing new therapeutic agents. The risk from the built environment has been ignored, with wastewater systems identified as major ... [Read more...](#)

4. Assessing Morinidazole for Surgical Site Infection in Class III Wounds Prevention: A Multicenter, Randomized, Single-Blind, Parallel-Controlled Study

02-07-2024 - *Journal of Hospital Infection*

Surgical site infections are significant postoperative risks, antibiotic prophylaxis is crucial due to the presence of anaerobic bacteria. This study investigated the efficacy and safety of a novel nitroimidazole, morinidazole, in SSI reduction in class III wounds, as there is currently a lack of evidence in the existing literature. [Read more...](#)

5. Too much ado about data: Continuous remote monitoring of water temperatures, circulation and throughput can assist in the reduction of hospital-associated waterborne infections

01-07-2024 - *Journal of Hospital Infection*

National and international guidance provides advice on maintenance and management of water systems in healthcare buildings, however, healthcare-associated waterborne infections (HAWI) are increasing. This narrative review identifies parameters critical to water quality in healthcare buildings and assesses if remote sensor monitoring can deliver safe water systems thus reducing HAWI. [Read more...](#)

[Back to Top](#)

Journal of Infection

1. Cardiovascular disease risk after a SARS-CoV-2 infection: a systematic review and meta-analysis

04-07-2024 - Elsevier

To our knowledge, there is no systematic review examining CVD risks after a SARS-CoV-2 infection over time, while also taking into account disease severity. All evidence on the risk for pulmonary embolism (PE), myocardial infarction (MI), ischaemic stroke (IS), haemorrhagic stroke (HS), and arterial thrombosis following infection was evaluated. [Read more...](#)

2. Short- and long-term effects of imatinib in hospitalised COVID-19 patients: A randomised trial

03-07-2024 - Elsevier

We studied the short- and long-term effects of imatinib in hospitalised COVID-19 patients. [Read more...](#)

3. Pertussis in infants: alarm lights and amplifiers for persistent community transmission

03-07-2024 - Elsevier

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

4. Bacterial Diversity and Specific Taxa are Associated with Decolonization of Carbapenemase-Producing Enterobacterales after Fecal Microbiota Transplantation

02-07-2024 - Elsevier

We evaluated the effect of fecal microbiota transplantation (FMT) on the clearance of carbapenemase-producing Enterobacterales (CPE) carriage. [Read more...](#)

5. Colorectal cancer and association with anaerobic bacteraemia: a Danish nationwide population-based cohort study

01-07-2024 - Elsevier

We aimed to identify specific anaerobic bacteria causing bacteraemia and a subsequent diagnosis of colorectal cancer. [Read more...](#)

6. Real-world experience with letermovir for cytomegalovirus-prophylaxis after allogeneic hematopoietic cell transplantation: A multi-centre observational study

01-07-2024 - Elsevier

Efficacy and safety of letermovir as prophylaxis for clinically significant cytomegalovirus infections (csCVMi) was evaluated in randomized controlled trials while most of the real-world studies are single-centre experiences. [Read more...](#)

[Back to Top](#)

Journal of Medical Microbiology

1. Transcriptome analysis of *Candida albicans* planktonic cells in response to plasma medicine

05-07-2024 - Microbiology Society

Introduction. Cold plasma is frequently utilized for the purpose of eliminating microbial contaminants. Under optimal conditions, it can function as plasma medicine for treating various diseases, including infections caused by *Candida albicans*, an opportunistic pathogen that can overgrow in individuals with weakened immune system. Gap Statement. To date, there has been less molecular study on ... [Read more...](#)

2. Intranasal administration of DSM 32444 *Bacillus subtilis* spores: safety and tolerability

04-07-2024 - *Microbiology Society*

Introduction. Administered nasally, spores of the Gram-positive bacterium *Bacillus subtilis* have been shown to be able to induce innate immunity sufficient to confer protection to influenza and respiratory syncytial virus. Hypothesis. Although members of the aerobiome, intranasal delivery of high numbers of live spores carries potential safety issues. Aim. To address the potential safety risk ... [Read more...](#)

3. Dengue virus (DV) non-cross-reactive Omicron wave COVID-19 serums enhanced DV3 infectivity in vitro

04-07-2024 - *Microbiology Society*

Introduction. In India, the SARS-CoV-2 Delta wave (2020-2021) faded away with the advent of the Omicron variants (2021-present). Dengue incidences were observed to be less in Southeast Asia during the active years of the pandemic (2020-2021). However, dengue virus type 3 (DV3) cases were increasingly reported in this region (including India) concurrent with the progression of the Omicron ... [Read more...](#)

4. Molecular characterization of *Pseudomonas aeruginosa* from diabetic foot infections in Tunisia

04-07-2024 - *Microbiology Society*

Background. *Pseudomonas aeruginosa* is an invasive organism that frequently causes severe tissue damage in diabetic foot ulcers. Gap statement. The characterisation of *P. aeruginosa* strains isolated from diabetic foot infections has not been carried out in Tunisia. Purpose. The aim was to determine the prevalence of *P. aeruginosa* isolated from patients with diabetic foot infections (DFIs) in ... [Read more...](#)

5. The role of N-acetylcysteine on adhesion and biofilm formation of *Candida parapsilosis* isolated from catheter-related candidemia

03-07-2024 - *Microbiology Society*

Objectives. Anti-fungal agents are increasingly becoming less effective due to the development of resistance. In addition, it is difficult to treat *Candida* organisms that form biofilms due to a lack of ability of drugs to penetrate the biofilms. We are attempting to assess the effect of a new therapeutic agent, N-acetylcysteine (NAC), on adhesion and biofilm formation in *Candida parapsilosis* ... [Read more...](#)

[Back to Top](#)

The Lancet

1. [Correspondence] Oral diseases in Palestine

25-06-2024 - *Elsevier*

Oral diseases, encompassing conditions such as dental caries and oral cancers, are severely under-addressed globally despite their prevalence and link to chronic illnesses. In 2021, oral diseases in Palestine ranked just behind COVID-19 and upper respiratory infections in terms of morbidity.¹ The 2021 Global Burden of Diseases, Injuries, and Risk Factors Study reported 52 609 cases of oral ... [Read more...](#)

2. [Seminar] Peptic ulcer disease

14-06-2024 - *Elsevier*

Annual prevalence estimates of peptic ulcer disease range between 0·12% and 1·5%. Peptic ulcer disease is usually attributable to *Helicobacter pylori* infection, intake of some medications (such as aspirin and non-steroidal anti-inflammatory medications), or being critically ill (stress-related), or it can be idiopathic. The clinical presentation is usually uncomplicated, ... [Read more...](#)

The Lancet: Microbe

1. [Articles] Assessment of CD8+ T-cell mediated immunity in an influenza A(H3N2) human challenge model in Belgium: a single centre, randomised, double-blind phase 2 study

02-07-2024 - Elsevier

The use of an MVA vaccine to expand CD4+ or CD8+ T cells to conserved influenza A antigens in peripheral blood did not affect nasopharyngeal viral load in an influenza H3N2 challenge model in seronegative, healthy adults. [Read more...](#)

2. [Articles] Artemether–lumefantrine with or without single-dose primaquine and sulfadoxine–pyrimethamine plus amodiaquine with or without single-dose tafenoquine to reduce Plasmodium falciparum transmission: a phase 2, single-blind, randomised clinical trial in Ouelessebougou, Mali

02-07-2024 - Elsevier

These data support the effectiveness of artemether–lumefantrine alone for preventing nearly all mosquito infections. By contrast, there was considerable post-treatment transmission after sulfadoxine–pyrimethamine plus amodiaquine therefore, the addition of a transmission-blocking drug might be beneficial in maximising its community impact. [Read more...](#)

3. [News] New measures to tackle the global cholera surge

02-07-2024 - Elsevier

The rollout of rapid diagnostic tests and a new vaccine offer some promise in the fight against the growing number of cholera outbreaks worldwide. [Read more...](#)

4. [Articles] Plasmodium ovale spp dhfr mutations associated with reduced susceptibility to pyrimethamine in sub-Saharan Africa: a retrospective genetic epidemiology and functional study

02-07-2024 - Elsevier

The widespread use of sulfadoxine–pyrimethamine for malaria chemoprevention might have exerted fortuitous selection pressure for dhfr mutations in P ovale spp. This calls for closer monitoring of dhfr and dhps mutations in P ovale spp. [Read more...](#)

5. [Correspondence] Distribution of IncX3 plasmids in bacteria – Authors' reply

02-07-2024 - Elsevier

The genomic analysis and argument presented by Yu Feng and Zhiyong Zong are interesting because they identified IncX3 in three bacteria belonging to the Gram-positive phylum Bacillota: Bacillus subtilis (GCF_000735115.1), Enterococcus faecalis (GCF_029906165.1), and Lactiplantibacillus plantarum (GCF_004102885.1). First, even if these genomes are incomplete, there is evidence to suggest that ... [Read more...](#)

6. [News] AI-assisted HIV case finding in Ukraine

02-07-2024 - Elsevier

When Russia launched its full-scale invasion of Ukraine in February, 2022, there were an estimated 245 000 Ukrainians living with HIV and it was feared the fighting would lead to an increase in HIV incidence as access to treatment and case finding would be heavily affected. 2 years later, it seems that this has not come to pass. According to latest WHO figures, ... [Read more...](#)

7. [Correspondence] Global emergence of neuraminidase inhibitor-resistant influenza A(H1N1)pdm09 viruses with I223V and S247N mutations: implications for antiviral resistance monitoring

02-07-2024 - Elsevier

Neuraminidase inhibitors (NAIs), such as oseltamivir and zanamivir, serve as the primary treatment for influenza virus infection. NAI-resistant influenza A(H1N1) strains were widespread during the 2008–09 influenza season, especially in Japan, where 100% of the strains were resistant to oseltamivir.¹ However, after the NAI-susceptible 2009 pandemic subtype (A[H1N1]pdm09) replaced the previous ... [Read more...](#)

8. [Comment] Risks of releasing imperfect Wolbachia strains for arbovirus control

02-07-2024 - Elsevier

Arboviruses remain some of the most persistent public health threats globally, with over 100 million infections annually from pathogens such as dengue, chikungunya, and Zika viruses.^{1,2} After decades with few effective tools to combat the spread of arboviruses, Wolbachia has emerged as a transformative technology to combat multiple arboviral threats concurrently. [Read more...](#)

9. [Articles] Safety, tolerability, viral kinetics, and immune correlates of protection in healthy, seropositive UK adults inoculated with SARS-CoV-2: a single-centre, open-label, phase 1 controlled human infection study

02-07-2024 - Elsevier

Our study demonstrates potent protective immunity induced by homologous vaccination and homologous or heterologous previous SARS-CoV-2 infection. The community breakthrough infections seen with the omicron variant supports the use of newer variants to establish a model with sufficient rate of infection for use in vaccine and therapeutic development. [Read more...](#)

10. [Comment] Epidemiology of group A streptococcal infection: are we ready for a new scenario?

02-07-2024 - Elsevier

Group A streptococcal (GAS) infections have been attracting increasing attention, as many countries were overwhelmed by a rapid surge of invasive GAS (iGAS) infections in late 2022 and 2023 after an overall low incidence during the years of the COVID-19 pandemic.¹ [Read more...](#)

11. [Correspondence] Mining Staphylococcus aureus genomic data for identifying fosfomycin resistance genes

02-07-2024 - Elsevier

We read with interest the Correspondence by Daniel F Monte and Celso Jose Bruno de Oliveira¹ in The Lancet Microbe, which describes the increasing prevalence of the fosfomycin resistance gene in Staphylococcus aureus. A previous study indicated the widespread presence of fosA and emphasised the importance of distinguishing the location and origin of fosA (ie, ... [Read more...](#)

12. [Comment] Shared immunogenic epitopes between host entry and exit proteins from monkeypox and Alaskapox viruses

02-07-2024 - Elsevier

Studies on emerging and re-emerging infectious diseases are crucial because of the constant threat of epidemics owing to unknown microorganisms or those already identified, with outbreak cases being reported annually.¹ In 2015, a new virus called Alaskapox virus (AKPV) was isolated from an Alaska resident, and on the basis of sequencing, its taxonomy was assigned to the genus Orthopoxvirus (OPXV). [Read more...](#)

13. [Correspondence] Distribution of IncX3 plasmids in bacteria

02-07-2024 - Elsevier

A recent publication concluded that the IncX3 plasmid has broad host range.¹ Although the finding is intriguing, it needs to be confirmed by studies using other methodologies or analyses from different directions. In particular, we are aware that the finding is inconsistent with the historical understanding that dates back to the early 1970s when the IncX plasmid R6K, ... [Read more...](#)

14. [Articles] Streptococcus pyogenes carriage and infection within households in The Gambia: a longitudinal cohort study

02-07-2024 - Elsevier

S pyogenes carriage and infection are common in The Gambia, particularly in children. Most events are non-household acquisitions, but skin carriage and pyoderma have an important role in S pyogenes household transmission and bidirectional transmission between skin and pharynx occurs. [Read more...](#)

15. [Review] Infectious diseases and the role of needle biopsy post-mortem

02-07-2024 - Elsevier

Post-mortem examinations continue to play a crucial role in understanding the epidemiology and pathogenesis of infectious diseases. However, the perceived infection risk can preclude traditional, invasive, complete diagnostic autopsy. Post-mortem examination is especially important in emerging infectious diseases with potentially unknown infection risks, but rapid acquisition of good quality ... [Read more...](#)

16. [Articles] Association between anti-capsular IgG levels at birth and risk of invasive group B streptococcus disease in Finnish newborns: a retrospective case–control study

02-07-2024 - Elsevier

Higher neonatal anti-capsular polysaccharide serum IgG concentration at birth correlated with reduced risk of infant group B streptococcus disease in Finland. Based on these results, a maternal group B streptococcus capsular conjugate vaccine currently in development is predicted to be efficacious. [Read more...](#)

17. [Articles] Hepatitis C virus diversity and treatment outcomes in Benin: a prospective cohort study

02-07-2024 - Elsevier

This study revealed a high SVR rate in Benin among individuals treated for HCV with sofosbuvir–velpatasvir, including those with highly diverse viral genotypes. Further studies of treatment effectiveness in genotypes 2d and 2b are indicated. [Read more...](#)

18. [Personal View] The WHO fungal priority pathogens list: a crucial reappraisal to review the prioritisation

02-07-2024 - Elsevier

In October, 2022, WHO published the first fungal priority pathogen list, which categorised 19 fungal entities into three priority groups (critical, high, and medium), for prioritisation of research efforts. The final ranking was determined via multiple criteria decision analysis, considering both research and development needs and perceived public health importance. [Read more...](#)

[Back to Top](#)

Microbiology and Molecular Biology Reviews

1. Mechanisms of action of microbicides commonly used in infection prevention and control

03-07-2024 - American Society for Microbiology

Microbiology and Molecular Biology Reviews, Ahead of Print. [Read more...](#)

[Back to Top](#)

Morbidity and Mortality Weekly Report

1. QuickStats: Age-Adjusted Death Rate Among Adults Aged ≥65 Years, by Sex - United States, 1970-2022

03-07-2024 - Centers for Disease Control and Prevention (CDC) (USA)

This report describes the death rate among adults 65 and older. [Read more...](#)

2. Reported Incidence of Infections Caused by Pathogens Transmitted Commonly Through Food: Impact of Increased Use of Culture-Independent Diagnostic Tests - Foodborne Diseases Active Surveillance Network, 1996-2023

03-07-2024 - Centers for Disease Control and Prevention (CDC) (USA)

This report describes illnesses commonly transmitted through food. [Read more...](#)

3. Reported Xylazine Use Among Adults Aged ≥ 18 Years Evaluated for Substance Use Treatment - United States, July 2022-September 2023

03-07-2024 - Centers for Disease Control and Prevention (CDC) (USA)

This report describes reports of xylazine use among adults evaluated for substance use treatment. [Read more...](#)

[Back to Top](#)

Nature Reviews Microbiology

1. New WHO proposed terminology for respiratory pathogen transmission

04-07-2024 - Nature

Nature Reviews Microbiology, Published online: 03 July 2024 doi:10.1038/s41579-024-01067-5A WHO report suggests the terms 'airborne transmission/inhalation', 'direct deposition' and 'infectious respiratory particles' for describing transmission modes, highlighting the continuum of particle size with greatest exposure near the source. The report did not update infection control guidelines. [Read more...](#)

2. Author Correction: Respiratory syncytial virus infection and novel interventions

03-07-2024 - Nature

Nature Reviews Microbiology, Published online: 02 July 2024 doi:10.1038/s41579-024-01078-2Author Correction: Respiratory syncytial virus infection and novel interventions [Read more...](#)

[Back to Top](#)

NEJM Journal Watch: Infectious Diseases

1. Does Meningococcal Group B Vaccination in the Setting of DoxyPEP Reduce Incidence of Gonorrhea?

03-07-2024 - Massachusetts Medical Society

A French trial confirmed that doxycycline postexposure prophylaxis reduced incidence of chlamydia and syphilis, but meningococcal group B vaccine was not effective against gonorrhea. [Read more...](#)

2. Doxycycline for Preventing Bacterial Sexually Transmitted Infections: A Comprehensive Approach

02-07-2024 - Massachusetts Medical Society

CDC guidelines address implementation of doxycycline postexposure prophylaxis for prevention of bacterial STIs. [Read more...](#)

[Back to Top](#)

UKHSA affiliation

UKHSA Affiliation

1. The impact of risk factor modification on asymptomatic atherosclerosis in patients with metabolic syndrome

06-07-2024 - Ovid

Author Names: Tasic I., Tasic I.S., Petrovic D., Kostic S., Djordjevic D., Stoickov V., Vukojcic N. Database Source: Embase Weekly Updates Journal Title: European Journal of Preventive Cardiology Article Title: The impact of risk factor modification on asymptomatic atherosclerosis in patients with metabolic syndrome Year: 2024 Issue: Supplement 1 Volume: 31 Abstract: Introduction: Metabolic ... [Read more...](#)

2. An evaluation of the national testing response during the COVID-19 pandemic in England: a multistage mixed-methods study protocol

06-07-2024 - Ovid

Author Names: Naidoo R., Lambert B., Voysey M., Shretta R., Keene C.M., Wanat M., Andersen-Waine B., Dahal P., Stepniwska K., Hounsell R., Molyneux S., Pinto-Duschinsky S., Rowe E., Yenidogan G., Fowler T., White L. Database Source: Embase Weekly Updates Journal Title: BMJ Open, BMJ Open Article Title: An evaluation of the national testing response during the COVID-19 pandemic in England: a multistage ... [Read more...](#)

3. Bioactive Components Analysis and Pharmacological Properties of Extracts and Metabolites of Lichen Umbilicaria crustulosa

06-07-2024 - Ovid

Author Names: Tomovic J., Kocovic A., Andic M., Bradic J., Zubic N., Jakovljevic V., Sovrljic M., Vasiljevic P., Manojlovic N. Database Source: Embase Weekly Updates Journal Title: Scientia Pharmaceutica, Scientia Pharmaceutica Article Title: Bioactive Components Analysis and Pharmacological Properties of Extracts and Metabolites of Lichen Umbilicaria crustulosa Year: 2024 Issue: 2 Volume: 92 Abstract: ... [Read more...](#)

4. The association between unilateral and bilateral performance-related measures in elite female soccer players: a multifaceted investigation

06-07-2024 - Ovid

Author Names: Paravlic A.H., Abazovic E., Milanovic Z., Vuckovic G., Spudic D., Hadzic V., Pajek M., Vodincar J. Database Source: Embase Weekly Updates Journal Title: Frontiers in Physiology, Frontiers in Physiology Article Title: The association between unilateral and bilateral performance-related measures in elite female soccer players: a multifaceted investigation Year: 2024 Issue: Volume: 15 ... [Read more...](#)

5. Calibration curve for radiation dose estimation using FDXR gene expression biodosimetry-premises and pitfalls

06-07-2024 - Ovid

Author Names: Brzoska K., Abend M., O'Brien G., Gregoire E., Port M., Badie C. Database Source: Embase Daily Updates Journal Title: International Journal of Radiation Biology, International Journal of Radiation Biology Article Title: Calibration curve for radiation dose estimation using FDXR gene expression biodosimetry-premises and pitfalls Year: 2024 Issue: Volume: Abstract: Purpose: ... [Read more...](#)

6. Dermatoscopic patterns of cutaneous metastases: A multicentre cross-sectional study of the International Dermoscopy Society

06-07-2024 - Ovid

Author Names: Todorovic D., Stojkovic-Filipovic J., Marghoob A., Argenziano G., Puig S., Malveyh J., Tognetti L., Pietro R., Akay B.N., Zalaudek I., Haenssle H.A., Muller-Christmann C., Cinotti E., Perrot J.L., Zaballos P., Bakos R.M., Thomas L., Peris K., Lallas A., Apalla Z., Kreusch J.F., Tromme I., Stratigos A.J., Pizzichetta M.A., Kandolf L., Longo C., Blum A., Tanaka M., Hofmann-Wellenhof R., Jovic A., Paoli J. [Read more...](#)

7. The association between the remnant cholesterol and non-HDL-C with subclinical carotid atherosclerosis in patients with metabolic syndrome

06-07-2024 - Ovid

Author Names: Kostic S., Djordjevic D., Tasic I., Deljanin Ilic M., Stoickov V. Database Source: Embase Weekly Updates Journal Title: European Journal of Preventive Cardiology Article Title: The association between the remnant cholesterol and non-HDL-C with subclinical carotid atherosclerosis in patients with metabolic syndrome Year: 2024 Issue: Supplement 1 Volume: 31 Abstract: The previous ... [Read more...](#)

8. Binding energies of ethanol and ethylamine on interstellar water ices: synergy between theory and experiments

06-07-2024 - Ovid

Author Names: Perrero J., Vitorino J., Congiu E., Ugliengo P., Rimola A., Dulieu F. Database Source: Embase Weekly Updates Journal Title: Physical chemistry chemical physics : PCCP Article Title: Binding energies of ethanol and ethylamine on interstellar water ices: synergy between theory and experiments Year: 2024 Issue: Volume: Abstract: Experimental and computational chemistry are two ... [Read more...](#)

9. Comprehensive Insight into Cutaneous Application of Hemp

06-07-2024 - Ovid

Author Names: Zugic A., Martinovic M., Tadic V., Rajkovic M., Racic G., Nestic I., Koren A. Database Source: Embase Weekly Updates Journal Title: Pharmaceutics, Pharmaceutics Article Title: Comprehensive Insight into Cutaneous Application of Hemp Year: 2024 Issue: 6 Volume: 16 Abstract: Known for its natural bio-compounds and therapeutic properties, hemp is being utilized in the development of skin ... [Read more...](#)

10. Potent immunogenicity and protective efficacy of a multi-pathogen vaccination targeting Ebola, Sudan, Marburg and Lassa viruse

06-07-2024 - Ovid

Author Names: Flaxman A., Sebastian S., Appelberg S., Cha K.M., Ulaszewska M., Purushotham J., Gilbride C., Sharpe H., Spencer A.J., Bibi S., Wright D., Schmidt I., Dowall S., Easterbrook L., Findlay-Wilson S., Gilbert S., Mirazimi A., Lambe T. Database Source: Embase Weekly Updates Journal Title: PLoS Pathogens, PLoS Pathogens Article Title: Potent immunogenicity and protective efficacy of a multi-pathogen ... [Read more...](#)

11. Combustion-Derived Pollutants Linked with Kidney Disease in Low-Lying Flood-Affected Areas in the Balkans

06-07-2024 - Ovid

Author Names: Guo W., Kwok H.C., Griffith S.M., Nagl S., Milovanovic D., Pavlovic M., Pavlovic N.M., Yu J.Z., Dedon P.C., Chan W. Database Source: Embase Weekly Updates Journal Title: Environmental Science and Technology, Environmental Science and Technology Article Title: Combustion-Derived Pollutants Linked with Kidney Disease in Low-Lying Flood-Affected Areas in the Balkans Year: 2024 Issue: Volume: ... [Read more...](#)

12. Increase in methicillin-resistant Staphylococcus spp. colonization among pregnant individuals during COVID-19 pandemic

06-07-2024 - Ovid

Author Names: Rio-Tinto A., Costa N.S., Alvim D.C.S.S., Oliveira L.M.A., De Oliveira T.L.R., Dos Santos K.R.N., Fracalanza S.E.L., Teixeira L.M., Marinho P., Taylor S., Thomas S., Pinto T.C.A. Database Source: Embase Daily Updates Journal Title: Scientific reports Article Title: Increase in methicillin-resistant Staphylococcus spp. colonization among pregnant individuals during COVID-19 pandemic Year: ... [Read more...](#)

13. Editorial: Reviews in pathology of infectious diseases

06-07-2024 - Ovid

Author Names: Gomez-Laguna J., Pallares F.J., Salguero F.J. Database Source: Embase Weekly Updates Journal Title: Frontiers in Veterinary Science Article Title: Editorial: Reviews in pathology of infectious diseases Year: 2024 Issue: Volume: 11 Abstract: [Read more...](#)

14. Effects of a beta-Glucan-Rich Blend of Medicinal Mushrooms and Botanicals on Innate Immune Cell Activation and Function Are Enhanced by a Very Low Dose of Bovine Colostrum Peptides

06-07-2024 - Ovid

Author Names: Jensen G.S., Cruickshank D., Hamilton D.E. Database Source: Embase Weekly Updates Journal Title: Molecules (Basel, Switzerland) Article Title: Effects of a beta-Glucan-Rich Blend of Medicinal Mushrooms and Botanicals on Innate Immune Cell Activation and Function Are Enhanced by a Very Low Dose of Bovine Colostrum Peptides Year: 2024 Issue: 12 Volume: 29 Abstract: Nutraceutical ... [Read more...](#)

15. Significance of Duodenal Prolactin Receptor Modulation by Calcium and Vitamin D in Sulpiride-Induced Hyperprolactinemia

06-07-2024 - Ovid

Author Names: Radojkovic D.B., Pesic M., Radojkovic M., Vukelic Nikolic M., Jevtovic Stoimenov T., Radenkovic S., Ciric V., Basic D., Radjenovic Petkovic T. Database Source: Embase Weekly Updates Journal Title: Medicina (Kaunas, Lithuania) Article Title: Significance of Duodenal Prolactin Receptor Modulation by Calcium and Vitamin D in Sulpiride-Induced Hyperprolactinemia Year: 2024 Issue: 6 Volume: ... [Read more...](#)

16. Current practices in oncofertility counseling: updated evidence on fertility preservation and post-treatment pregnancies in young women affected by early breast cancer

06-07-2024 - Ovid

Author Names: Arecco L., Borea R., Magaton I.M., Jankovic K., Mariamizde E., Stana M., Scavone G., Ottonello S., Spinaci S., Genova C., de Azambuja E., Lambertini M. Database Source: Embase Weekly Updates Journal Title: Expert review of anticancer therapy Article Title: Current practices in oncofertility counseling: updated evidence on fertility preservation and post-treatment pregnancies in young women ... [Read more...](#)

17. Health net-outcome objectives and approaches for spatial planning and development: a scoping review protocol

06-07-2024 - Ovid

Author Names: Stewart-Evans J., Wilson E., Langley T., Hands A., Leonardi-Bee J. Database Source: Embase Weekly Updates Journal Title: JBI evidence synthesis Article Title: Health net-outcome objectives and approaches for spatial planning and development: a scoping review protocol Year: 2024 Issue: Volume: Abstract: OBJECTIVE: The objective of this scoping review is to review the body of ... [Read more...](#)

18. Weight of evidence evaluation of the metabolism disrupting effects of triphenyl phosphate using an expert knowledge elicitation approach

06-07-2024 - Ovid

Author Names: Beausoleil C., Thebault A., Andersson P., Cabaton N.J., Ermler S., Fromenty B., Garoche C., Griffin J.L., Hoffmann S., Kamstra J.H., Kubickova B., Lenters V., Kos V.M., Poupin N., Remy S., Sapounidou M., Zalko D., Legler J., Jacobs M.N., Rousselle C. Database Source: Embase Weekly Updates Journal Title: Toxicology and Applied Pharmacology, Toxicology and Applied Pharmacology Article Title: Weight ... [Read more...](#)

19. Multiple risk factors for persistent HBV viraemia in an adult receiving nucleos(tide) analogue therapy

06-07-2024 - Ovid

Author Names: Lumley S., Barlow M., Said K., Martyn E., Waddilove E., Delphin M., Jennings D., Chai H., Kemper A., Ko J., Ansari A., Macdonald D., Ghosh I., Ijaz S., Flanagan S., Matthews P.C. Database Source: Embase Weekly Updates Journal Title: Sexually Transmitted Infections, Sexually Transmitted Infections Article Title: Multiple risk factors for persistent HBV viraemia in an adult receiving nucleos(tide) analogue therapy ... [Read more...](#)

20. Improvement of Alginate Extraction from Brown Seaweed (*Laminaria digitata* L.) and Valorization of Its Remaining Ethanolic Fraction

06-07-2024 - Ovid

Author Names: Savic Gajic I.M.,Savic I.M.,Ivanovska A.M.,Vunduk J.D.,Mihalj I.S.,Svircev Z.B. Database Source: Embase Weekly Updates Journal Title: Marine Drugs,Marine Drugs Article Title: Improvement of Alginate Extraction from Brown Seaweed (*Laminaria digitata* L.) and Valorization of Its Remaining Ethanolic Fraction Year: 2024 Issue: 6 Volume: 22 Abstract: This study aimed to improve the ... [Read more...](#)

21. Progress in Topical and Transdermal Drug Delivery Research-Focus on Nanoformulations

06-07-2024 - Ovid

Author Names: Lunter D.,Klang V.,Eichner A.,Savic S.M.,Savic S.,Lian G.,Erdo F. Database Source: Embase Weekly Updates Journal Title: Pharmaceutics,Pharmaceutics Article Title: Progress in Topical and Transdermal Drug Delivery Research-Focus on Nanoformulations Year: 2024 Issue: 6 Volume: 16 Abstract: Skin is the largest organ and a multifunctional interface between the body and its environment. [Read more...](#)

22. Mortality in Community-Acquired Sepsis and Infections in the Faroe Islands-A Prospective Observational Study

06-07-2024 - Ovid

Author Names: Todorovic Markovic M.,Todorovic Mitic M.,Ignjatovic A.,Gottfredsson M.,Gaini S. Database Source: Embase Weekly Updates Journal Title: Infectious Disease Reports,Infectious Disease Reports Article Title: Mortality in Community-Acquired Sepsis and Infections in the Faroe Islands-A Prospective Observational Study Year: 2024 Issue: 3 Volume: 16 Abstract: The aim of this study was to ... [Read more...](#)

23. Mononuclear phagocyte sub-types in vitro display diverse transcriptional responses to dust mite exposure

06-07-2024 - Ovid

Author Names: Fransen L.F.H.,Leonard M.O. Database Source: Embase Weekly Updates Journal Title: Scientific reports Article Title: Mononuclear phagocyte sub-types in vitro display diverse transcriptional responses to dust mite exposure Year: 2024 Issue: 1 Volume: 14 Abstract: Mononuclear phagocytes (MNP), including macrophages and dendritic cells form an essential component of primary ... [Read more...](#)

24. Effects of HIIT Interventions on Cardiorespiratory Fitness and Glycemic Parameters in Adults with Type 1 Diabetes: A Systematic Review and Meta-Analysis

06-07-2024 - Ovid

Author Names: Lazic A.,Stankovic D.,Trajkovic N.,Cadenas-Sanchez C. Database Source: Embase Weekly Updates Journal Title: Sports medicine (Auckland, N.Z.) Article Title: Effects of HIIT Interventions on Cardiorespiratory Fitness and Glycemic Parameters in Adults with Type 1 Diabetes: A Systematic Review and Meta-Analysis Year: 2024 Issue: Volume: Abstract: BACKGROUND: Individuals with type 1 ... [Read more...](#)

25. Factors associated with potentially inappropriate prescribing in elderly patients with various degrees of chronic kidney disease

06-07-2024 - Ovid

Author Names: Nedin Rankovic G.G.,Pejcic A.V.,Krtinic D.A.,Stokanovic D.S.,Trajkovic H.S.,Jovanovic H.M.,Binic I.I.,Jankovic S.M. Database Source: Embase Daily Updates Journal Title: Hemodialysis International,Hemodialysis International Article Title: Factors associated with potentially inappropriate prescribing in elderly patients with various degrees of chronic kidney disease Year: 2024 ... [Read more...](#)

26. Acoustic evoked potentials characteristics in patients with vertebral artery hypoplasia and posterior circulation stroke

06-07-2024 - Ovid

Author Names: Zivadinovic B.,Damjanovic R.,Todorovic S.,Zivadinovic J.,Stamenovic J.,Bojanovic M.,Bojanovic A.,Mladenovic I.C.,Jovanovic H. Database Source: Embase Daily Updates Journal Title: Vojnosanitetski Pregled,Vojnosanitetski Pregled Article Title: Acoustic evoked potentials characteristics in patients with vertebral artery hypoplasia and posterior circulation stroke Year: 2024 Issue: ... [Read more...](#)

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

06-07-2024 - 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,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: 7 Volume: 78 Abstract: Background Women ... [Read more...](#)

28. Epidemiology of non-travel enteric fever cases in England: insights from 10 years of surveillance

06-07-2024 - Ovid

Author Names: Vusirikala A.,Katwa P.,Kirkbride H.,Dabke G.,Taye A.,Krisifoe S.,Chattaway M.,Godbole G.,Balasegaram S. Database Source: Embase Weekly Updates Journal Title: Public Health,Public Health Article Title: Epidemiology of non-travel enteric fever cases in England: insights from 10 years of surveillance Year: 2024 Issue: Volume: 234 Abstract: Objectives: In non-endemic countries, ... [Read more...](#)

29. Implications of suboptimal measles immunity in UK health-care workers

06-07-2024 - Ovid

Author Names: Ho A.,Galgut O.,Faustini S.,Peters N.,Shields A.,Klenerman P.,Hopkins S.,Hall V.,Dunachie S.,Richter A. Database Source: Embase Daily Updates Journal Title: The Lancet,The Lancet Article Title: Implications of suboptimal measles immunity in UK health-care workers Year: 2024 Issue: 10447 Volume: 404 Abstract: [Read more...](#)

30. Can a Phospholipid-Rich Whey Protein Provide Nutritional Support for the Reduction of Anxiety in Adults?

06-07-2024 - Ovid

Author Names: Ormond L.,Jensen G.,Wildman R. Database Source: Embase Weekly Updates Journal Title: Current Developments in Nutrition Article Title: Can a Phospholipid-Rich Whey Protein Provide Nutritional Support for the Reduction of Anxiety in Adults? Year: 2024 Issue: Supplement 2 Volume: 8 Abstract: Objectives: Evaluate the effects of supplementing with a whey protein naturally rich in ... [Read more...](#)

31. Asymmetrical Diketopyrrolopyrrole Derivatives with Improved Solubility and Balanced Charge Transport Properties

06-07-2024 - Ovid

Author Names: Carella A.,Landi A.,Bonomo M.,Chiarella F.,Centore R.,Peluso A.,Nejrotti S.,Barra M. Database Source: Embase Weekly Updates Journal Title: Molecules (Basel, Switzerland) Article Title: Asymmetrical Diketopyrrolopyrrole Derivatives with Improved Solubility and Balanced Charge Transport Properties Year: 2024 Issue: 12 Volume: 29 Abstract: The diketopyrrolopyrrole (DPP) unit ... [Read more...](#)

32. Emergence and control of an outbreak of PVL-positive MRSA in a UK-based maternity setting

06-07-2024 - Ovid

Author Names: Barnsley H.,McFall S.,White R.,Suleman S.,Pichon B.,Patel M. Database Source: Embase Weekly Updates Journal Title: Journal of Hospital Infection,Journal of Hospital Infection Article Title:

Emergence and control of an outbreak of PVL-positive MRSA in a UK-based maternity setting Year: 2024 Issue: Volume: 149 Abstract: This paper aims to describe the investigation and control of ... [Read more...](#)

33. Designing functionalized nanodiamonds with hyaluronic acid-phospholipid conjugates for enhanced cancer cell targeting and fluorescence imaging capabilities

06-07-2024 - Ovid

Author Names: Sturari S.,Andreana I.,Apra P.,Bincoletto V.,Kopecka J.,Mino L.,Zurletti B.,Stella B.,Riganti C.,Arpicco S.,Piccolo F. Database Source: Embase Weekly Updates Journal Title: Nanoscale Article Title: Designing functionalized nanodiamonds with hyaluronic acid-phospholipid conjugates for enhanced cancer cell targeting and fluorescence imaging capabilities Year: 2024 Issue: 24 ... [Read more...](#)

34. Peer-delivered training of criminal offenders for aggression and distress management: a new approach in social treatment in prisons in Serbia

06-07-2024 - Ovid

Author Names: Nikolic G.,Stojanovic N.,Brankovic J.,Tosic Golubovic S.,Zikic O.,Kostic J. Database Source: Embase Daily Updates Journal Title: Journal of Forensic Psychiatry and Psychology,Journal of Forensic Psychiatry and Psychology Article Title: Peer-delivered training of criminal offenders for aggression and distress management: a new approach in social treatment in prisons in Serbia ... [Read more...](#)

35. The Relationship between updated Systemic Coronary Risk Estimation (SCORE 2) and markers of subclinical atherosclerosis and target organ damage in asymptomatic population with metabolic syndrome

06-07-2024 - Ovid

Author Names: Kostic S.,Djordjevic D.,Deljanin Ilic M.,Tasic I.,Stoickov V. Database Source: Embase Weekly Updates Journal Title: European Journal of Preventive Cardiology Article Title: The Relationship between updated Systemic Coronary Risk Estimation (SCORE 2) and markers of subclinical atherosclerosis and target organ damage in asymptomatic population with metabolic syndrome Year: 2024 ... [Read more...](#)

36. Invasive Trichoderma longibrachiatum infection in a neutropaenic patient

06-07-2024 - Ovid

Author Names: Teoh P.J.,McGuire E.,Borman A.M.,Gorton R.,Wilson A.J.,Merrion C.,Gant V. Database Source: Embase Weekly Updates Journal Title: Medical Mycology Case Reports,Medical Mycology Case Reports Article Title: Invasive Trichoderma longibrachiatum infection in a neutropaenic patient Year: 2024 Issue: Volume: 45 Abstract: Invasive fungal infection is a life-threatening complication of ... [Read more...](#)

37. Depression in the Perinatal Period: Course and Outcome of Depression in the Period from the Last Trimester of Pregnancy to One Year after Delivery in Primiparous Mothers

06-07-2024 - Ovid

Author Names: Zikic O.,Stojanov J.,Kostic J.,Nikolic G.,Tosic Golubovic S.,Simonovic M.,Djordjevic V.,Binic I. Database Source: Embase Weekly Updates Journal Title: Medicina (Kaunas, Lithuania) Article Title: Depression in the Perinatal Period: Course and Outcome of Depression in the Period from the Last Trimester of Pregnancy to One Year after Delivery in Primiparous Mothers Year: 2024 ... [Read more...](#)

38. Seroprevalence of immunity to hepatitis A and hepatitis B among gay, bisexual and other men who have sex with men (GBMSM) attending sexual health clinics in London and Leeds, England, 2017-2018

06-07-2024 - Ovid

Author Names: Roche R.,Simmons R.,Allen H.,Glancy M.,Balan A.-M.,Bolea M.,Harris R.,Desai M.,Mohammed H.,Sabin C.,Ijaz S.,Mandal S. Database Source: Embase Weekly Updates Journal Title: Sexually transmitted infections Article Title: Seroprevalence of immunity to hepatitis A and hepatitis B

among gay, bisexual and other men who have sex with men (GBMSM) attending sexual health clinics in ...
[Read more...](#)

39. A large-scale and PCR-referenced vocal audio dataset for COVID-19

06-07-2024 - Ovid

Author Names: Budd J., Baker K., Karoune E., Coppock H., Patel S., Payne R., Tendero Canadas A., Titcomb A., Hurley D., Egglestone S., Butler L., Mellor J., Nicholson G., Kiskin I., Koutra V., Jersakova R., McKendry R.A., Diggle P., Richardson S., Schuller B.W., Gilmour S., Pigoli D., Roberts S., Packham J., Thornley T., Holmes C. Database Source: Embase Daily Updates Journal Title: Scientific data Article Title: A ... [Read more...](#)

40. SIGNIFICANCE OF GALECTIN-3 AND N-TERMINAL PRO B-TYPE NATRIURETIC PEPTIDE IN THE PREDICTION OF ATRIAL FIBRILLATION AFTER CARDIAC SURGERY

06-07-2024 - Ovid

Author Names: Mladenovic N., Ranko Z., Lazar V., Todic V.D., Todic M., Maletin S., Mladenovic A., Petrovic N., Okiljevic B., Nikolic V., Pavlovic M., Krtinic D., Nikolic A., Gmijovic M., Kamenov A. Database Source: Embase Weekly Updates Journal Title: Journal of Medical Biochemistry, Journal of Medical Biochemistry Article Title: SIGNIFICANCE OF GALECTIN-3 AND N-TERMINAL PRO B-TYPE NATRIURETIC PEPTIDE IN ... [Read more...](#)

41. Molecular detection of ceftriaxone resistance in Neisseria gonorrhoeae clinical specimens: a tool for public health control

06-07-2024 - Ovid

Author Names: Day M.J., Boampong D., Pitt R., Bari A., Rebec M., Saunders J., Fifer H., Mbisa T., Cole M.J. Database Source: Embase Weekly Updates Journal Title: Sexually transmitted infections Article Title: Molecular detection of ceftriaxone resistance in Neisseria gonorrhoeae clinical specimens: a tool for public health control Year: 2024 Issue: Volume: Abstract: OBJECTIVES: This study aimed to ... [Read more...](#)

42. Improving the representativeness of UK's national COVID-19 Infection Survey through spatio-temporal regression and post-stratification

06-07-2024 - Ovid

Author Names: Pouwels K.B., Eyre D.W., House T., Aspey B., Matthews P.C., Stoesser N., Newton J.N., Diamond I., Studley R., Taylor N.G.H., Bell J.I., Farrar J., Kolenchery J., Marsden B.D., Hoosdally S., Jones E.Y., Stuart D.I., Crook D.W., Peto T.E.A., Walker A.S., Wei J., Pritchard E., Vihta K.-D., Doherty G., Kavanagh J., Chau K.K., Hatch S.B., Ebner D., Ferreira L.M., Christott T., Dejnirattisai W., Mongkolsapaya J. [Read more...](#)

43. Severity of COVID-19 sub-lineages XBB/XBB 1.5/XBB1.16, EG.5.1. and JN.1. in England

06-07-2024 - Ovid

Author Names: Quinot C., Kirsebom F., Andrews N., Stowe J., Ramsay M., Dabrera G., Kall M., Bernal J.L., Allen A. Database Source: Embase Weekly Updates Journal Title: The Lancet Regional Health - Europe Article Title: Severity of COVID-19 sub-lineages XBB/XBB 1.5/XBB1.16, EG.5.1. and JN.1. in England Year: 2024 Issue: Volume: 43 Abstract: [Read more...](#)

44. Comparison Flattening Filter and Flattening Filter-Free Techniques in Small-Fields Dosimetry with Various Types of Detectors

06-07-2024 - Ovid

Author Names: Alashkar E.M., Abdelhafez H.M., Kenawy M.A., Hassan G.M., Ereiba K.T., Megahed A. Database Source: Embase Weekly Updates Journal Title: Asian Pacific journal of cancer prevention : APJCP Article Title: Comparison Flattening Filter and Flattening Filter-Free Techniques in Small-Fields Dosimetry with Various Types of Detectors Year: 2024 Issue: 6 Volume: 25 Abstract: PURPOSE: The aim ... [Read more...](#)

[Back to Top](#)

