Welcome to the weekly Infection Current Awareness Update (ICAU), produced by PHE 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.

Please note: PHE KLS has set up a separate COVID-19 Daily Alert of latest research. If you would like to receive this, please email libraries@phe.gov.uk. In addition to this, a page of resources about the coronavirus is available here.

If you have any queries, please contact us at libraries@phe.gov.uk, and if you would like to request a literature search, please use the Knowledge and Library Services Enquiries Portal (PHE staff only).

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, and for PHE and NHS staff, these can be obtained here. If you do not work for PHE or the NHS, you may want to approach your local health library service to discuss how you may have access to library services.

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Infection-related guidance
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- European Centre for Disease Prevention and Control - 1

Infection-related journals
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COVID-19 related research
COVID-19 infection

Update Alert 4: Masks for Prevention of Respiratory Virus Infections, Including SARS-CoV-2, in Health Care and Community Settings
29 Dec 2020
Annals of Internal Medicine, Ahead of Print.

Infection-related guidance

British Medical Association
A New Year message from chair of council Chaand Nagpaul
01 Jan 2021
On behalf of the British Medical Association, I wish you - and sincerely hope for - a happier New Year.

European Centre for Disease Prevention and Control
Risk Assessment: Risk related to spread of new SARS-CoV-2 variants of concern in the EU/EEA
29 Dec 2020
This risk assessment presents the latest available information on the recent emergence of two variants of potential concern, VOC 202012/01 discovered in the United Kingdom (UK) and another variant, 501.V2 identified in South Africa.

Infection-related journals

American Journal of Infection Control
Healthcare Worker Seroconversion for SARS-CoV-2 at Two Large Health Systems in San Diego
30 Dec 2020
San Diego confirmed its first case of Coronavirus Disease 2019 (COVID-19) on March 9, 2020, 12 days after the first nontravel-related infection in the United States was diagnosed in California. Personal protective equipment (PPE) was in limited supply at the onset of the pandemic, and occupational infections of healthcare workers (HCW) were increasingly reported.

Clinical Infectious Diseases - Advance Access
Longitudinal testing for respiratory and gastrointestinal shedding of SARS-CoV-2 in day care centres in Hesse, Germany
03 Jan 2021
AbstractBackgroundWith the pandemic of SARS-CoV-2 ongoing in Europe in June of 2020, day care centres were reopened in the state of Hesse, Germany, after the lockdown. The role young children play in the dynamics of the transmission was unknown.

Reply to the author
Assessment of anti-influenza drug prescriptions for post-exposure prophylaxis against household transmission of influenza virus

Reply to author

Stepped wedge cluster randomised controlled trials are the way forward to assess innovative electronic hand hygiene monitoring technologies

Reply to Cawthorne and Cooke

SARS-CoV-2 immunity and reinfection

Novel Criteria for Diagnosing Acute and Early HIV Infection in a Multi-National Study of Early Antiretroviral Therapy Initiation

Abstract
Background Antiretroviral therapy (ART) initiation during acute and early HIV infection (AEHI) limits HIV reservoir formation and may facilitate post-ART control but is logistically challenging. We evaluated the performance of new AEHI diagnostic criteria from a multinational prospective study of ART initiation during AEHI.

Risk of acute kidney injury and Clostridioides difficile infection with piperacillin/tazobactam, cefepime and meropenem with or without vancomycin

Abstract
Background Empiric antimicrobial therapy for healthcare-acquired infections often includes vancomycin plus an antipseudomonal beta-lactam (AP-BL). These agents vary in risk for adverse events, including acute kidney injury (AKI) and Clostridium difficile infection (CDI).


A spatial approach for Ending the HIV Epidemic for the United States – A DC Model

Abstract
Background Mode of transmission based hotspots is a smart approach to HIV mitigation yet remains poorly evaluated and implemented in the United States. The primary aim of the analysis is identifying mode of transmission based hotspots and population at risk of lower viral suppression to assist in targeted planning and implementation of programs.

Safety and effectiveness of an all-oral, bedaquiline-based, shorter treatment regimen for rifampicin-resistant tuberculosis in high HIV burden rural South Africa: a retrospective cohort analysis

Abstract
Background At the end of 2018, South Africa updated its all-oral regimen, to include bedaquiline (BDQ) and two months of linezolid (LZD) for all patients initiating the shorter 9 to 12 months regimen for rifampicin-resistant tuberculosis (RR-TB). We assessed a group of patients in rural KwaZulu-Natal for safety and effectiveness of this treatment regimen under programmatic conditions.

The HIV Index: Using a Patient-Reported Outcome on Engagement in HIV Care to Explain Sub-Optimal Retention in Care and Virologic Control

Abstract
Background We investigated the prospective association between a brief self-report measure of engagement in HIV care (the Index) and suboptimal retention and viral
suppression (VS) outcomes. Methods The CNICS cohort study combines medical record data with patient-reported outcomes from eight HIV clinics in the United States, which from April 2016–March 2017 included the 10-item Index.

Previous dengue infection and mortality in COVID-19
29 Dec 2020
Abstract We studied 2351 participants with COVID-19, 1177 (50%) reported previous dengue infection. Those without previous dengue had a higher risk of death (hazard ratio: 0.44; 95% CI: 0.22 to 0.89; p = 0.023) in 60-day follow-up. These findings raise the possibility that dengue might induce immunological protection against SARS COV-2.

Trends in U.S. outpatient antibiotic prescriptions during the COVID-19 pandemic
29 Dec 2020
Abstract Background The objective of our study was to describe trends in U.S. outpatient antibiotic prescriptions from January through May 2020 and compare with trends in previous years (2017-2019).

Methods We used data from the IQVIA Total Patient Tracker to estimate the monthly number of patients dispensed antibiotic prescriptions from retail pharmacies in January 2017-May 2020.

Immunogenicity And Safety Of The Nine-Valent Human Papillomavirus Vaccine In Solid Organ Transplant Recipients And Hiv-Infected Adults
29 Dec 2020
Abstract Background The burden of human papillomavirus (HPV) in HIV-infected persons and solid organ transplant (SOT) recipients is high. Clinical trials on HPV vaccines in HIV-infected persons and particularly in SOT recipients have been sparse to date, included low numbers of participants and none of them assessed the nine-valent HPV (9vHPV).

Unexpected lessons from the COVID-19 lockdowns in France: Low impact of school opening on common communicable pediatric airborne diseases
29 Dec 2020

Doxycycline for ESBL-E cystitis
29 Dec 2020

Clinical Infectious Diseases - Current Issue

In The Literature
02 Jan 2021
Intracellular Pathogen in the Cerebrospinal Fluid of an Allogeneic Hematopoietic Cell Transplant Recipient With Graft-Versus-Host Disease and Brain Lesions
02 Jan 2021
A 59-year-old female patient received an allogenic hematopoietic cell transplantation (HCT) for relapsed multiple myeloma from a matched unrelated donor, after reduced-intensity conditioning with fludarabine, treosulfan, and lymphocytic globulin.

Corrigendum to: Treatment of Nontuberculous Mycobacterial Pulmonary Disease: An Official ATS/ERS/ESCMID/IDSA Clinical Practice Guideline
14 Oct 2020
Erratum to: Changes in Inflammation and Immune Activation With Atazanavir-, Raltegravir-, Darunavir-Based Initial Antiviral Therapy: ACTG 5260s
14 Oct 2020

Clinical Microbiology and Infection

Re-evaluating positive serum samples for SARS-CoV-2-specific IgA and IgG antibodies using an in-house serological assay
03 Jan 2021
Publication date: Available online 2 January 2021Source: Clinical Microbiology and InfectionAuthor(s): Margherita Cacaci, Giulia Menchinelli, Rosalba Ricci, Flavio De Maio, Melinda Mariotti, Riccardo Torelli, Grazia Angela Morandotti, Francesca Bugli, Maurizio Sanguinetti, Brunella Posteraro
Decreased prevalence rate of respiratory pathogens in hospitalized patients during the COVID-19 pandemic: possible role for public health containment measures?
01 Jan 2021
Publication date: Available online 31 December 2020Source: Clinical Microbiology and InfectionAuthor(s): Yonatan Oster, Ayelet Michael-Gayego, Mila Rivkin, Leonid Levinson, Dana G. Wolf, Ran Nir-Paz

Current Opinion in Virology

Transmembrane redox regulation of genome replication functions in positive-strand RNA viruses
29 Dec 2020
Publication date: April 2021Source: Current Opinion in Virology, Volume 47Author(s): Masaki Nishikiori, Paul Ahlquist

Diagnostic Microbiology and Infectious Disease

Excellent performance of CHROMagarTM LIN-R to selectively screen for linezolid-resistant enterococci and staphylococci
30 Dec 2020
Publication date: Available online 29 December 2020Source: Diagnostic Microbiology and Infectious DiseaseAuthor(s): Franziska Layer, Robert Weber, Carola Fleige, Birgit Strommenger, Christiane Cuny, Guido Werner
Relationship Between DiaSorin Liaison Treponema pallidum Antibody Indices and Confirmatory Assay Results in the Reverse Syphilis Testing Algorithm
30 Dec 2020
Publication date: Available online 29 December 2020Source: Diagnostic Microbiology and Infectious DiseaseAuthor(s): Harry E. Prince, Elizabeth M. Marlowe, Dale A. Schwab

30 Dec 2020
Publication date: Available online 29 December 2020
Source: Diagnostic Microbiology and Infectious Disease
Author(s): Dee Shortridge, Cecilia G. Carvalhaes, Jennifer M. Streit, Robert K. Flamm

European Journal of Clinical Microbiology & Infectious Diseases

Stewardship program on carbapenem prescriptions in a tertiary hospital for adults and children in France: a cohort study
03 Jan 2021
Abstract Antimicrobial stewardship programs aim at reducing the overuse of broad-spectrum antibiotics such as carbapenems, but their impact remains unclear. We compared the use of carbapenems between paediatric and adult subjects admitted to a French tertiary hospital and described the intervention of an antibiotic stewardship team (AST)

Clinical performance of the H. PYLORI QUIK CHEK™ and H. PYLORI CHEK™ assays, novel stool antigen tests for diagnosis of Helicobacter pylori
03 Jan 2021
Abstract Infection with Helicobacter pylori is a global health issue, and rapid and accurate testing is a key to diagnosis. We aimed to assess the performance of two novel enzyme immunoassays (EIA), the H. PYLORI QUIK CHEK™ and the H. PYLORI CHEK™ assays, for the detection of H. pylori antigen in stool

COVID-19: angiotensin-converting enzyme 2 (ACE2) expression and tissue susceptibility to SARS-CoV-2 infection
03 Jan 2021
Abstract COVID-19 pandemic is caused by the novel coronavirus SARS-CoV-2. Angiotensin-converting enzyme 2 (ACE2) is not only an enzyme but also a functional receptor on cell surfaces through which SARS-CoV-2 enters the host cells and is highly expressed in the heart, kidneys, and lungs and shed into the plasma. ACE2 is a key regulator of the renin–angiotensin–aldosterone system (RAAS)

Nosocomial infections associated to COVID-19 in the intensive care unit: clinical characteristics and outcome
03 Jan 2021
Abstract Bacterial and fungal co-infection has been reported in patients with COVID-19, but there is limited experience on these infections in critically ill patients. The objective of this study was to assess the characteristics and outcome of ICU-acquired infections in COVID-19 patients

Antibiotic resistance profile and molecular characterization of Staphylococcus aureus strains isolated in hospitals in Kabul, Afghanistan
03 Jan 2021
Abstract The aim of this study was to investigate the molecular features and the antibiotic resistance profile of 98 clinical Staphylococcus aureus isolates collected during 6 months in two hospitals of Kabul, Afghanistan. For all isolates, antimicrobial resistance patterns were determined by the disc diffusion method (including methicillin resistance which was detected using cefoxitin)

Streptococcus dysgalactiae subsp. equisimilis from invasive and non-invasive infections in Spain: combining epidemiology, molecular characterization, and genetic diversity
03 Jan 2021
Abstract The purpose of this study was to characterize the antibiotic resistance, virulence, and genetic diversity among invasive and non-invasive Streptococcus dysgalactiae subsp. equisimilis (SDSE) isolates. SDSE were isolated from clinical samples of outpatients and inpatients cares in La Rioja region (Spain) during 2012–2015.

Forgoing transesophageal echocardiogram in selected patients with complicated Staphylococcus aureus bacteremia

Abstract Infective endocarditis (IE) has been increasingly recognized as an important complication of Staphylococcus aureus bacteremia (SAB), leading to a low threshold for echocardiography and extended treatment with anti-staphylococcal agents. However, outside of IE, many indications for prolonged anti-staphylococcal therapy courses are present.

Culture of SARS-CoV-2 in a panel of laboratory cell lines, permissivity, and differences in growth profile

Abstract The emergence of COVID-19 disease due to SARS-CoV-2 at the end of 2019 was rapidly associated with the isolation of the strain from co-culture onto VERO cells. These isolations quickly made it possible to carry out the first tests for antiviral agents’ susceptibility and drug repurposing.

Comparison of blood cultures versus T2 Candida Panel in management of candidemia at a large community hospital

Abstract The T2 Candida Panel (T2CP) has high sensitivity and specificity to detect candidemia. Its role in the diagnosis and management of candidemia compared to blood cultures (BC) remains unclear. The purpose of this study was to evaluate the T2CP versus BC in detecting and treating candidemia.

Follow-up blood cultures in E. coli and Klebsiella spp. bacteremia—opportunities for diagnostic and antimicrobial stewardship

Abstract Uncomplicated Enterobacteriaceae bacteremia is usually transient and may not require follow-up blood cultures (FUBC). This is a retrospective observational study conducted at a university-affiliated urban teaching hospital in Seattle, WA.

Lyme neuroborreliosis in Swedish children—PCR as a complementary diagnostic method for detection of Borrelia burgdorferi sensu lato in cerebrospinal fluid

Abstract The aim of this study was to evaluate polymerase chain reaction (PCR) as a diagnostic method for the detection of Borrelia burgdorferi s.l. in CSF of Swedish children with LNB. This study was performed retrospectively on CSF and serum samples collected from children evaluated for LNB (n = 233) and controls with other specific neurological disorders (n = 59) in a Swedish Lyme endemic area.

Endocarditis due to Staphylococcus lugdunensis—a retrospective national registry–based study

Abstract We present characteristics of infective endocarditis (IE) caused by Staphylococcus lugdunensis and compare with IE caused by Staphylococcus aureus and other CoNS, in the National Swedish Registry of IE (2008–2018). Thirty episodes of S. lugdunensis IE were registered, of which 21 cases affected native valves, and 7 patients were subjected to surgery.

Infection

Different types of bullae of limbs with necrotizing fasciitis predict different outcome: a prospective study

Abstract The purpose of this study was to characterize the antibiotic resistance, virulence, and genetic diversity among invasive and non-invasive Streptococcus dysgalactiae subsp. equisimilis (SDSE) isolates. SDSE were isolated from clinical samples of outpatients and inpatients cares in La Rioja region (Spain) during 2012–2015.
Abstract Study objective Necrotizing fasciitis (NF) is an uncommon life-threatening necrotizing skin and soft tissue infection. Bullae are special skin manifestations of NF. This study was conducted to analyze the differences between different types of bullae of limbs with NF for providing the information to emergency treatment.

Characterization and outcomes of acute myocardial injury in COVID-19 intensive care patients
03 Jan 2021

Invasive pulmonary aspergillosis caused by Aspergillus terreus diagnosed using virtual bronchoscopic navigation and endobronchial ultrasonography with guide sheath and successfully treated with liposomal amphotericin B
03 Jan 2021

Abstract Invasive aspergillosis is a significant cause of mortality in patients with hematological malignancy. Early diagnosis of invasive pulmonary aspergillosis (IPA) by bronchoscopy is recommended but is often difficult to perform because of small lesion size and bleeding risk due to thrombocytopenia. A 71-year-old woman had received initial induction therapy for acute myeloid leukemia.

Comparative virulence of seasonal viruses responsible for lower respiratory tract infections: a southern European multi-centre cohort study of hospital admissions
03 Jan 2021

Abstract Objectives Our study aimed to compare the clinical severity of lower respiratory tract infections (LRTI’s) caused by Influenza and Respiratory Syncytial Virus (RSV). Methods We conducted a retrospective cohort study of LRTI admissions with positive PCR results for Influenza or RSV from 2017 to 2019 in three teaching hospitals in southern Europe.

Bacterial coinfection in critically ill COVID-19 patients with severe pneumonia
03 Jan 2021

Abstract Severe 2019 novel coronavirus infectious disease (COVID-19) with pneumonia is associated with high rates of admission to the intensive care unit (ICU). Bacterial coinfection has been reported to be rare. We aimed at describing the rate of bacterial coinfection in critically ill adult patients with severe COVID-19 pneumonia.

CRISPR-based strategies in infectious disease diagnosis and therapy
03 Jan 2021

Abstract Purpose CRISPR gene-editing technology has the potential to transform the diagnosis and treatment of infectious diseases, but most clinicians are unaware of its broad applicability. Derived from an ancient microbial defence system, these so-called “molecular scissors” enable precise gene editing with a low error rate.

Differential serological and neutralizing antibody dynamics after an infection by a single SARS-CoV-2 strain
02 Jan 2021

Abstract Background We report here the case of two coworkers infected by the same SARS-CoV-2 strain, presenting two different immunological outcomes. Case One patient presented a strong IgG anti-receptor-binding domain immune response correlated with a low and rapidly decreasing titer of neutralizing antibodies.

Remdesivir in Coronavirus Disease 2019 (COVID-19) treatment: a review of evidence
02 Jan 2021

Abstract COVID-19 is an infectious disease caused by a novel β-coronavirus, belonging to the same subgenus as the Severe Acute Respiratory Syndrome (SARS) virus. Remdesivir, an investigational broad-spectrum antiviral agent has previously demonstrated in vitro activity against Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2), and in vivo efficacy against other related coronaviruses in.

Use of rifampicin and graft removal are associated with better outcomes in prosthetic vascular graft infection
Abstract Objectives Prosthetic vascular graft infection (PVGI) is a very severe disease. We aimed to determine the factors associated with treatment failure. Methods Patients admitted to two University Hospitals with PVGI were included in this retrospective study. PVGI was classified as possible, probable or proven according to an original set of diagnostic criteria.

COVID-19 reinforces the need to improve sepsis care resources in Africa

HIV and SARS-CoV-2 co-infection: cross-sectional findings from a German ‘hotspot’

Abstract Purpose This study aimed to determine the proportion of people living with HIV with anti-SARS-CoV-2 IgG antibodies in a sample from a large single HIV center in Munich, Germany, after the first phase of the coronavirus pandemic and to infer the prevalence of SARS-CoV-2 co-infection in people living with HIV.

Rapid antigen testing and non-infectious shedding of SARS-CoV2

Macrophage migration inhibitory factor – 794 CATT 5–8 microsatellite polymorphism and susceptibility of tuberculosis

Abstract Purpose The establishment of candidate genetic determinants associated with tuberculosis (TB) is a challenge, considering the divergent frequencies among populations. The objective of this study was to evaluate the association between MIF – 794 CATT 5–8 polymorphism and susceptibility to TB. Methods Case–control study. Patients > 18 years, with pulmonary TB were included.
ICE volume 42 issue 1 Cover and Back matter
31 Dec 2020
Reviewers
31 Dec 2020
ICE volume 42 issue 1 Cover and Front matter
31 Dec 2020
Serious antibiotic-related adverse effects following unnecessary dental prophylaxis in the United States
11 Nov 2020
Assessment of room quality of manual cleaning and turnaround times with and without ultraviolet light at an academic medical center
29 Oct 2020
Minimum healthcare worker influenza immunization rates required to decrease influenza transmission in two acute-care hospitals
28 Oct 2020
Evaluation of a telethermographic system for temperature screening at a large tertiary-care referral hospital during the coronavirus disease 2019 (COVID-19) pandemic
12 Oct 2020
Extended use or reuse of single-use surgical masks and filtering face-piece respirators during the coronavirus disease 2019 (COVID-19) pandemic: A rapid systematic review
08 Oct 2020
Background: Shortages of personal protective equipment during the coronavirus disease 2019 (COVID-19) pandemic have led to the extended use or reuse of single-use respirators and surgical masks by frontline healthcare workers. The evidence base underpinning such practices warrants examination
Understanding the distribution of positive Legionella samples in healthcare-premise water systems: Using statistical analysis to determine a distribution for Legionella and to support sample size recommendations
08 Oct 2020
Objective: To significantly fit a statistical distribution to the proportion of positive Legionella samples in a series of water samples from multiple facility-premise water systems. Design: Statistical fit test

International Journal of Infectious Diseases

Corrigendum to isolation and phylogenetic analysis of SARS-CoV-2 variants collected in Russia during the COVID-19 outbreak [Int. J. Infect. Dis. 99 (2020) 40-46]
03 Jan 2021
Publication date: Available online 2 January 2021Source: International Journal of Infectious DiseasesAuthor(s): Liubov Kozlovskaya, Anastasia Piniaeva, Georgy Ignatyev, Alexey Selivanov, Anna Shishova, Anastasia Kovpak, Ilya Gordeychuk, Yury Ivin, Anastasia Berestovskaya, Egor Prokhorthchouk, Denis Protsenko, Mikhail Rychev, Aydar Ishmukhametov
B Cell Depletion and Signs of Sepsis Acquired Immunodeficiency in Bone Marrow and Spleen of COVID-19 Deceased

Validation of self-collected buccal swab and saliva as a diagnostic tool for COVID-19

Low vitamin D status is associated with coronavirus disease 2019 outcomes: A systematic review and meta-analysis

Failure to Recognize Low Non-Treponemal Titer Syphilis Infections in Pregnancy May Lead to Widespread Under-Treatment

Utility of the antigen test for coronavirus disease 2019: Factors influencing the prediction of the possibility of disease transmission

Demographic shift in COVID-19 patients in Singapore from an aged, at-risk population to young migrant workers with reduced risk of severe disease

Current spectrum of causative pathogens in sepsis: A prospective nationwide cohort study in Japan

An influenza A (H3N2) virus outbreak in the Kingdom of Cambodia during the COVID-19 pandemic of 2020

Association of miltefosine with granulocyte and macrophage colony-stimulating factor (GM-CSF) in the treatment of cutaneous leishmaniasis in the Amazon region: A randomized and controlled trial
01 Jan 2021
Publication date: February 2021Source: International Journal of Infectious Diseases, Volume 103Author(s): Luciana Mendes, Jorge Oliveira Guerra, Bleno Costa, Arineia Soares da Silva, Maria das Graças Barbosa Guerra, Jéssica Ortiz, Susan Smith Doria, George Villarouco da Silva, Denison Vital de Jesus, Manoel Barral-Netto, Gerson Penna, Edgar M. Carvalho, Paulo R.L. Machado

Clinical outcomes and characteristics of patients hospitalized for Influenza or COVID-19 in Germany
01 Jan 2021
Publication date: February 2021Source: International Journal of Infectious Diseases, Volume 103Author(s): Marion Ludwig, Josephine Jacob, Frederike Basedow, Frank Andersohn, Jochen Walker

Low-dose and oral exposure to SARS-CoV-2 may help us understand and prevent severe COVID-19
01 Jan 2021
Publication date: February 2021Source: International Journal of Infectious Diseases, Volume 103Author(s): William P. Hausdorff, Jorge Flores

Novaferon, treatment in COVID-19 patients
01 Jan 2021
Publication date: February 2021Source: International Journal of Infectious Diseases, Volume 103Author(s): Rajesh Naidu Janapala, Jigar Patel, Omar Belfaqeeh, Abdulla Alhashmi, Ali Pourmand

Monitoring for outbreak-associated excess mortality in an African city: Detection limits in Antananarivo, Madagascar
01 Jan 2021
Publication date: February 2021Source: International Journal of Infectious Diseases, Volume 103Author(s): Fidisoa Rasambainarivo, Anjarasoa Rasoanenjanahary, Joelinolahiana Hasina Rabarison, Tanjona Ramiedantsoa, Rila Ratovoson, Rindra Randremanana, Santatriniaina Randrianarisoa, Malavika Rajeev, Bruno Masquelier, Jean Michel Heraud, C. Jessica E. Metcalf, Benjamin L. Rice

Unique pattern of COVID-19 infection in the State of Hawai‘i
31 Dec 2020
Publication date: February 2021Source: International Journal of Infectious Diseases, Volume 103Author(s): F. DeWolfe Miller, Sumner La Croix, Tim Brown, L. Thomas Ramsey, David Morens

Reply to “Novaferon, treatment in COVID-19 patients”
31 Dec 2020
Publication date: February 2021Source: International Journal of Infectious Diseases, Volume 103Author(s): Fang Zheng, Yanwen Zhou, Zhiguo Zhou, Fei Ye, Baoying Huang, Yaxiong Huang, Jing Ma, Qi Zhuo, Xin Tan, Jun Xie, Peihua Niu, Wenlong Wang, Yun Xu, Feng Peng, Ning Zhou, Chunlin Cai, Wei Tang, Xinqiang Xiao, Yi Li, Zhiguang Zhou

A high-throughput drug screening strategy against coronaviruses
31 Dec 2020
Publication date: February 2021Source: International Journal of Infectious Diseases, Volume 103Author(s): Jia Liu, Kang Li, Lin Cheng, Jingjin Shao, Shukun Yang, Wei Zhang, Guangqian Zhou, Antoine A.F. de Vries, Zhiji Yu

Genomic sequencing effort for SARS-CoV-2 by country during the pandemic
31 Dec 2020
Publication date: February 2021Source: International Journal of Infectious Diseases, Volume 103Author(s): Yuki Furuse
Source attributed case-control study of campylobacteriosis in New Zealand
29 Dec 2020

Algorithms for testing COVID-19 focused on use of RT-PCR and high-affinity serological testing: A consensus statement from a panel of Latin American experts
29 Dec 2020
Publication date: February 2021Source: International Journal of Infectious Diseases, Volume 103Author(s): Carlos Eduardo Ferreira, Pablo E. Bonvehi, Juan Carlos Gómez de la Torre, Klever Vinicio Sáenz-Flor, Antonio Condino-Neto

Journal of Clinical Virology
A two minute liquid based sample preparation for rapid SARS-CoV2 real-time PCR screening: a multicentre evaluation
31 Dec 2020

Journal of Infection
Comparative genomic analysis of mobile colistin resistance gene mcr-9 in Salmonella enterica
03 Jan 2021
The emergence and spread of mobile colistin resistance (mcr) family genes in Gram-negative bacteria limit our choice for treating multidrug-resistant bacterial infections. The mcr-9 gene was firstly reported in a multidrug-resistant (MDR) Salmonella (S

Insight into the reason of prolonged viral RNA shedding in patients with COVID-19 infection
03 Jan 2021
Severe acute respiratory syndrome coronavirus (SARS-CoV-2), a novel RNA coronavirus from the same family as SARS-CoV and Middle East respiratory syndrome coronavirus (MERS-CoV), was identified in early January 2020 as the cause of a pneumonia epidemic affecting the city of Wuhan, the capital of Hubei province, from where it rapidly spread across China

Letter to the Editor: Revisiting the County/city-level Event Risk Assessment during the COVID-19 Pandemic
03 Jan 2021
Risk communication is vital in medicine and public health.1,2 Risk-related information can differentially affect people’s attitude and behaviors depending on how the information is presented.3 Tools that properly assess and communicate health-related risks are urgently needed by health departments and governments to inform their decision-making

Re-emergence of coronavirus disease in Chinese cities associated with chilled and frozen food products
02 Jan 2021
The coronavirus disease (COVID-19) pandemic poses a serious global public health challenge.1,2 In China, following the emergence of COVID-19 in the Huanan seafood market in Wuhan in December 2019, the Chinese government adopted active and effective measures to control the epidemic
Developing a multivariable risk prediction model to predict prolonged viral clearance in patients with COVID-19
30 Dec 2020
Dear Editors of Journal of Infection,

Autoimmune diseases are independently associated with COVID-19 severity: Evidence based on adjusted effect estimates
28 Dec 2020
There have been several published articles reporting the association between autoimmune diseases and the risk of severity among patients with coronavirus disease 2019 (COVID-19). But the conclusions across studies are inconsistent (1-6). Recently, Liu et al

Emergence of a new SARS-CoV-2 variant in the UK
28 Dec 2020
An earlier article described how new SARS-CoV-2 synonymous nucleotide mutations (which had no impact on the amino acid coding) may have arisen with its move into the human population, but reported no ‘beneficial’ mutations.1

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Journal of Infection Prevention

Impact of modified CDC/NHSN surveillance definition on the incidence of CAUTI: a study from an Indian tertiary care hospital
30 Dec 2020
Journal of Infection Prevention, Ahead of Print. Introduction:Catheter-associated urinary tract infections (CAUTIs) are one of the most common infections encountered in healthcare settings. Candida spp. were excluded as the causative agents of CAUTIs as per Centres for Disease Control and Prevention (CDC) and National Healthcare Safety Network (NHSN) definitions in 2015

The nadir that brought about national infection prevention and control policy
28 Dec 2020
Journal of Infection Prevention, Ahead of Print.

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Journal of Microbiology, Immunology and Infection

Clinical characteristics of bacteremia caused by Haemophilus and Aggregatibacter species and antimicrobial susceptibilities of the isolates
01 Jan 2021
Publication date: Available online 31 December 2020Source: Journal of Microbiology, Immunology and InfectionAuthor(s): Ying-Chun Chien, Yu-Tsung Huang, Chun-Hsing Liao, Jung-Yien Chien, Po-Ren Hsueh

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Morbidity and Mortality Weekly Report (MMWR)

Implications of Shortened Quarantine Among Household Contacts of Index Patients with Confirmed SARS-CoV-2 Infection - Tennessee and Wisconsin, April-September 2020
31 Dec 2020
This report describes COVID-19 infections among household members following a shortened quarantine period of 7 days.

Performance of an Antigen-Based Test for Asymptomatic and Symptomatic SARS-CoV-2 Testing at Two University Campuses - Wisconsin, September-October 2020
This report describes the performance of COVID-19 antigen-based tests for asymptomatic and symptomatic persons at two universities.

QuickStats: Percentage of Adults Aged ≥20 Years Consuming Breakfast on a Given Day, By Sex and Age - United States, 2015-2018

This report describes breakfast consumption habits of adults ≥20 years.

Erratum: Vol. 69, No. 47
MMWR erratum volume 69, issue 47

Opportunities to Address Men’s Health During the Perinatal Period - Puerto Rico, 2017

This report describes opportunities to address men's health during the perinatal period.


This report describes COVID-19 incidence in the United States sorted by age group.

Erratum: Vol. 69, No. 39
MMWR erratum volume 69, issue 39

Erratum: Vol. 62, No. RR-1
MMWR erratum volume 62, No. RR-1

Impact of COVID-19 Pandemic on Global Poliovirus Surveillance

This report describes a decline in polio case reporting during the first 9 months of 2020.

New England Journal of Medicine - Current Issue

Efficacy and Safety of the mRNA-1273 SARS-CoV-2 Vaccine
New England Journal of Medicine, Ahead of Print.

Microvascular Injury in the Brains of Patients with Covid-19
New England Journal of Medicine, Ahead of Print.

Vaccinating Detained Migrants against SARS-CoV-2 — Preventing Another Tragedy
New England Journal of Medicine, Ahead of Print.

Maintaining Safety with SARS-CoV-2 Vaccines
New England Journal of Medicine, Ahead of Print.

Scandinavian Journal of Infectious Diseases: Table of Contents

Characterization of carbapenem-resistant Pseudomonas aeruginosa in a university hospital, United States

Real-life utilization of BioFire® Filmarray® pneumonia panel as an antibiotic stewardship tool
NIS Affiliation

PubMed: NIS affiliation

Discordant neutralizing antibody and T cell responses in asymptomatic and mild SARS-CoV-2 infection.
29 Dec 2020

Antibody Status and Incidence of SARS-CoV-2 Infection in Health Care Workers.
29 Dec 2020

Antimicrobial Constituents from Machaerium Pers.: Inhibitory Activities and Synergism of Machaeriols and Machaeridiols against Methicillin-Resistant Staphylococcus aureus, Vancomycin-Resistant Enterococcus faecium, and Permeabilized Gram-Negative Pathogens.
29 Dec 2020
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