Infection Current Awareness Update – 28/09/2020

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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• Nature Reviews Microbiology - Current Issue - 3
• New England Journal of Medicine - Current Issue - 4
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COVID-19 related research

COVID-19 infection

Next week, the Guidelines International Network @gin_member an official Cochrane partner, will hold a series of online panels on guideline development & implementation – a ‘pitstop in the #COVID19 marathon’ for the guideline community. buff.ly/307DdYV

25 Sep 2020

New issue out NOW. Covering guidelines for #ArtificialIntelligence intervention trials; #DeepLearning + chest CT for #COVID19 triage; #MachineLearning to predict #COVID19 mortality; #DeepLearning + retinal images to predict systemic biomarkers – and more!

bit.ly/3kHu0yA pic.twitter.com/UV5DeQjsCr

23 Sep 2020

Just out: COVID-19 vaccine trials primarily assess prevention of virologically confirmed disease; NOT infection or transmission. An “effective” vax confers protection from disease but might not reduce spread...1/5 twitter.com/TheLancet/stat...

21 Sep 2020

[Correspondence] COVID-19: an opportunity to improve infection prevention and control in LMICs

13 Aug 2020

We congratulate Paul Sonenthal and colleagues (July 2020) 1 for the timely assessment of COVID-19 preparedness in Malawi. The authors highlight clear gaps in infection prevention and control, including the availability of personal protective equipment, but cautiously suggest that these findings might not be generalisable to other low-income and middle-income countries.

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Infection-related guidance

British Association for Sexual Health and HIV

The 2020 PEP guidelines are now out for consultation. Please navigate to the Documents for Consultation section to take part. The consultation closes on 27th November 2020.

27 Sep 2020

The new guidelines for HIV testing have been published, in collaboration with BHIVA and BIS. Please navigate to the Current Guidelines section.

24 Sep 2020

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British Society for Antimicrobial Chemotherapy
The risk of being risk averse: for the majority of patients reporting a penicillin allergy, avoiding penicillin may be doing more harm than good.

22 Sep 2020

The post The risk of being risk averse: for the majority of patients reporting a penicillin allergy, avoiding penicillin may be doing more harm than good. appeared first on British Society for Antimicrobial Chemotherapy.

European Centre for Disease Prevention and Control

Rapid risk assessment: Increased transmission of COVID-19 in the EU/EEA and the UK – twelfth update

24 Sep 2020

In this update, we analyse the risk posed to the general population, vulnerable individuals, and healthcare provision by the current increase in COVID-19 case notification rates observed in the EU/EEA and the UK.

Guidelines for the implementation of non-pharmaceutical interventions against COVID-19

24 Sep 2020

These ECDC guidelines detail available options for NPI in various epidemiologic scenarios, assess the evidence for their effectiveness and address implementation issues, including potential barriers and facilitators.

Reinfection with SARS-CoV-2: considerations for public health response

21 Sep 2020

Infection and antibody development, and to consider the following questions: • How can a SARS-CoV-2

Infection-related journals

American Journal of Infection Control

The role of the faucet's aerator kit for contamination of drinking water

26 Sep 2020

In different publications aerators are described as source of water contamination in hospitals and as source for outbreaks in high risk areas like intensive care units1,2,3. Additionally, Gestrich et al. demonstrated the spread of fluorescent tracer and gram-negative bacilli from sink drains to sink bowls and surfaces outside the bowl4

Elastomeric Respirators for All Healthcare Workers

26 Sep 2020

The COVID-19 pandemic continues to spread rapidly. Critically, there have been failures in worker protection causing avoidable infections among front line healthcare workers and other essential workers.1 Substantial evidence is amassing that the inhalation of respirable aerosols is a dominant route for COVID-19 transmission

Hospital Visitation Policies During the SARS-CoV-2 Pandemic

26 Sep 2020

A significant change for patients and families during SARS-CoV-2 has been the restriction of visitors for hospitalized patients. We analyzed SARS-CoV-2 hospital visitation policies and found widespread variation in both development and content. This variation has the potential to engender inequity in access
Assessing Healthcare Worker Perceptions of Face Coverings During the COVID-19 Pandemic
23 Sep 2020
The Coronavirus Disease 2019 (COVID-19) pandemic created a significant disruption in the personal protective equipment (PPE) supply chain while simultaneously creating unprecedented demand for their use. Hospitals pursued different PPE strategies based on local factors, PPE availability, and interpretation of the evolving data on the epidemiology of the disease.

Management Practices for Leaders to Promote Infection Prevention: Lessons from a Qualitative Study
23 Sep 2020
Prevention of healthcare-associated infections (HAIs), including catheter-associated urinary tract infections (CAUTIs) and central line-associated bloodstream infections (CLABSIs), is a patient safety priority for multiple reasons; preventing HAIs can help reduce unnecessary patient morbidity, mortality, and medical costs, avoid reimbursement penalties, and improve the quality of hospital care.

American Journal of Medical Quality: Current issue

Measuring Implementation Strategy Fidelity in HealthyHearts NYC: A Complex Intervention Using Practice Facilitation in Primary Care
23 Sep 2020
American Journal of Medical Quality, Ahead of Print. Few studies have assessed the fidelity of practice facilitation (PF) as an implementation strategy, and none have used an a priori definition or conceptual framework of fidelity to guide fidelity assessment.

Surgical CPT Coding Discrepancies: Analysis of Surgeons and Employed Coders
22 Sep 2020
American Journal of Medical Quality, Ahead of Print. Surgeon providers and billing professionals use Current Procedural Terminology (CPT) codes to specify patient treatment and associated charges. In the present study, coding discrepancies between surgeons’ first pass coding and employed coders’ final codes were investigated.

Clinical Infectious Diseases - Advance Access

Factors associated with Candida auris colonization and transmission in skilled nursing facilities with ventilator units, New York, 2016–2018
28 Sep 2020
Abstract
Background Candida auris is an emerging, multidrug-resistant yeast that spreads in healthcare settings. People colonized with C. auris can transmit this pathogen and are at risk for invasive infections. New York State (NYS) has the largest U.S
Incorporating real-time influenza detection into the test-negative design for estimating influenza vaccine effectiveness: The real-time test-negative design (rtTND)
25 Sep 2020
Abstract
With rapid and accurate molecular influenza testing now widely available in clinical settings, influenza vaccine effectiveness (VE) studies can prospectively select participants for enrollment based on real-time results rather than enrolling all eligible patients regardless of influenza status, as in the traditional test-negative design (TND).

Mass screening of asymptomatic persons for SARS-CoV-2 using saliva
25 Sep 2020
Abstract
Background
COVID-19 has rapidly evolved to become a global pandemic due largely to the transmission of its causative virus through asymptomatic carriers. Detection of SARS-CoV-2 in asymptomatic people is an urgent priority for the prevention and containment of disease outbreaks in communities. However, few data are available in asymptomatic persons regarding the accuracy of PCR testing.

Testing practices and incidence of chlamydial and gonococcal infection in the Veterans Health Administration, 2009-2019
25 Sep 2020
Abstract
Background
Chlamydia trachomatis and Neisseria gonorrhoeae cases reached a record high in the United States in 2018. Although active duty military servicemembers have high rates of chlamydia and gonorrhea infection, trends in chlamydia and gonorrhea in the Veterans Health Administration (VHA) system have not been previously described, including among patients with human immunodeficiency.

Metabolic Response in Patients with Post-Treatment Lyme Disease Symptoms/Syndrome
25 Sep 2020
Abstract
Background
Post-treatment Lyme disease symptoms/syndrome (PTLDS) occurs in approximately 10% of Lyme disease patients following antibiotic treatment. Biomarkers or specific clinical symptoms to identify PTLDS patients do not currently exist and the PTLDS classification is based on the report of persistent, subjective symptoms for ≥ 6 months following antibiotic treatment for Lyme disease.

HPV Vaccination Prior to Loop Electroexcision Procedure does not Prevent Recurrent Cervical High Grade Squamous Intraepithelial Lesions in Women Living with HIV: a Randomized, Double-blind, Placebo-controlled Trial
25 Sep 2020
Abstract
Background
Women living with HIV, especially in sub-Saharan Africa, are at high risk for cervical high-grade squamous intraepithelial lesions (HSIL) and cervical cancer. These women have high HSIL recurrence rates after loop electroexcision procedure (LEEP). Retrospective studies suggest that HPV vaccination improves response to treatment of cervical HSIL.

Durability Of Response To Fecal Microbiota Transplantation After Exposure to Risk Factors for Recurrence In Patients With Clostridioides difficile Infection
25 Sep 2020
Abstract
Background
Fecal microbiota transplantation (FMT) is highly effective for preventing recurrent Clostridioides difficile infection (CDI). Durability (no recurrence despite additional risk factor exposure) of FMT protection is largely unknown. We studied the durability of FMT in patients with recurrent CDI.

Optimal Threshold of Controlled Attenuation Parameter for Detection of HIV-Associated NAFLD With Magnetic Resonance Imaging as the Reference Standard
25 Sep 2020
Abstract

Background

Controlled attenuation parameter (CAP) is an ultrasound-based point-of-care method to quantify liver fat; however, the optimal threshold for CAP to detect pathologic liver fat among persons living with human immunodeficiency virus (HIV; PLWH) is unknown.

Vaccination Status of Alaska Native Persons With Hepatitis A Virus Infection—Alaska, 1996–2018
24 Sep 2020

Abstract

Following increases in reported cases of hepatitis A, we assessed the impact of hepatitis A vaccine in Alaska Native persons. During 1996–2018, only 6 cases of hepatitis A were identified, all in unvaccinated adults. Populations can be protected against hepatitis A by achieving sufficient vaccination coverage over time.

Have we outlived the concept of commensalism for Staphylococcus aureus?
24 Sep 2020

Abstract

The concept of commensalism was introduced 145 years ago. The origin of the term comes from the Latin and embodies the concept of dining together. With a much deeper understanding of organisms that live with humans, a reassessment of what represents a commensal seems in order. This viewpoint article examines whether or not Staphylococcus aureus should still be considered a commensal.

Lessons Learned from the Re-emergent COVID-19 Cases in Areas of Long Reported No Community Transmission
24 Sep 2020

Reply to Rezahosseini and Nielsen
24 Sep 2020

Clinical Practice Guidelines vs Actual Clinical Practice: The pneumonia paradigm
24 Sep 2020

Implementation of French recommendations for the prevention and the treatment of hospital-acquired pneumonia: a cluster-randomized trial
24 Sep 2020

The Impact of Hypertension and Use of Calcium Channel Blockers on Tuberculosis Treatment Outcomes
24 Sep 2020

Acute Myocardial Infarction following Staphylococcus aureus bloodstream infection: Is it a result of infection or the antibiotics prescribed?
24 Sep 2020

Predictors at admission of mechanical ventilation and death in an observational cohort of adults hospitalized with COVID-19
24 Sep 2020

SARS-CoV-2 transmission dynamics should inform policy
23 Sep 2020
Abstract

It is generally agreed that striking a balance between resuming economic and social activities and keeping the effective reproductive number (R0) below 1 using non-pharmaceutical interventions is an important goal until and even after effective vaccines become available.

RBX7455, a Room Temperature-Stable, Orally-Administered Investigational Live Biotherapeutic, is Safe, Effective, and Shifts Patients’ Microbiomes in a Phase 1 Study for Recurrent Clostridioides difficile Infections

Abstract

Background: Recurrent Clostridioides difficile infections (rCDI) are a global public health threat. To reduce rCDI, microbiota-restoring therapies are needed, particularly standardized, easy-to-administer formulations.

Menopause status and COVID-19

Abstract

Reply to Authors

Asymptomatic reinfection in two healthcare workers from India with genetically distinct SARS-CoV-2

High Frequency of SARS-CoV-2 RNAemia and Association With Severe Disease

Abstract

Background: Detection of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) RNA in blood, also known as RNAemia, has been reported, but its prognostic implications are poorly understood. This study aimed to determine the frequency of SARS-CoV-2 RNA in plasma and its association with coronavirus disease 2019 (COVID-19) clinical severity.

Serum antibody profile of a patient with COVID-19 reinfection

Abstract

We recently reported a patient with COVID-19 reinfection. Here, we showed that serum neutralizing antibody could be detected during the first episode but not at presentation of the second episode. During reinfection, neutralizing antibody and high avidity IgG were found within 8 days after hospitalization, while IgM response was absent.

Double-blind, randomized, placebo-controlled trial with N-acetylcysteine for treatment of severe acute respiratory syndrome caused by COVID-19

Abstract

Background: A local increase in angiotensin 2 after inactivation of angiotensin-converting enzyme 2 by SARS-CoV-2 may induce a redox imbalance in alveolar epithelium cells, causing apoptosis, increased inflammation and, consequently, impaired gas exchange.

Decreased mortality in COVID-19 patients treated with Tocilizumab: a rapid systematic review and meta-analysis of observational studies

Abstract

We systematically reviewed the literature to answer the following research questions: 1) does IL-6 (receptor) antagonist therapy reduce mortality in COVID-19 patients compared to patients not treated with IL-6 (receptor) antagonists and 2) is there an increased risk of side effects in COVID-19 patients treated with IL-6 (receptor) antagonists compared to patients not treated.

CYP2B6 Genotype and Weight Gain Differences Between Dolutegravir and Efavirenz

Abstract

Dolutegravir is associated with more weight gain than efavirenz. Loss-of-function polymorphisms in CYP2B6 result in higher efavirenz concentrations, which we hypothesized would impair weight gain among people living with human immunodeficiency virus (HIV; PLWH) starting efavirenz-based antiretroviral therapy (ART).
Major Adverse Cardiovascular Events During Invasive Pneumococcal Disease are Serotype Dependent

Abstract
Background
Up to 30% of patients admitted to hospitals with invasive pneumococcal disease (IPD), experience major adverse cardiovascular event (MACE) including new/worsening heart failure, new/worsening arrhythmia, and/or myocardial infarction.

Community-acquired Pneumonia Guideline Recommendations – Impact of a Consensus-based Process versus Systematic Reviews

Abstract
Background
The American Thoracic Society (ATS) / Infectious Diseases Society of America (IDSA) Community-acquired Pneumonia (CAP) guidelines were developed using systematic reviews to inform every recommendation, as suggested by the Institute of Medicine Standards for Trustworthy Guidelines.

Unraveling the Mysteries of Acute Flaccid Myelitis: Scientific Opportunities and Priorities for Future Research

Abstract
Since 2014, cases of acute flaccid myelitis (AFM) have been reported in the United States in increasing numbers biennially, occurring in the late summer and early fall. Although there is unlikely to be a single causative agent of this syndrome, non-polio enteroviruses (NPEV) including enterovirus D-68 (EV-D68) have had epidemiological and laboratory associations with AFM.

Another step in the journey - from feces to regulated microbial therapeutics

Abstract

Human Immunodeficiency Virus Continuum of Care in 11 European Union Countries at the End of 2016 Overall and by Key Population: Have We Made Progress?

Abstract
Background
High uptake of antiretroviral treatment (ART) is essential to reduce human immunodeficiency virus (HIV) transmission and related mortality; however, gaps in care exist. We aimed to construct the continuum of HIV care (CoC) in 2016 in 11 European Union (EU) countries, overall and by key population and sex.

Can existing improvements of water, sanitation, and hygiene (WASH) in urban slums reduce the burden of typhoid fever in these settings?

Abstract
Background
Sustained investment in water, sanitation and hygiene (WASH) has lagged in resource-poor settings; incremental WASH improvements may, nonetheless, prevent diseases such as typhoid in disease-endemic populations.

Serotype specific cardiac involvement in pneumococcal pneumonia

Abstract

Pneumococcus pneumoniae serotype cardiac disease

Rezafungin versus Caspofungin in a Phase 2, Randomized, Double-Blind Study for the Treatment of Candidemia and Invasive Candidiasis- The STRIVE Trial

Abstract
Background
Rezafungin (RZF) is a novel echinocandin exhibiting distinctive pharmacokinetics/pharmacodynamics. STRIVE was a phase 2, double-blind, randomized trial designed to compare the safety and efficacy of RZF once weekly (QWk) to caspofungin (CAS) once daily for treatment of candidemia and/or invasive candidiasis (IC).

Treatment of COVID-19 Patients with Prolonged Post-Symptomatic Viral Shedding with Leflunomide -- a Single-Center, Randomized, Controlled Clinical Trial

Abstract
Objective
To evaluate the efficacy and safety of leflunomide, an approved dihydroorotate dehydrogenase inhibitor, to treat COVID-19 patients with prolonged post-
symptomatic viral shedding. Methods We conducted a prospective, randomized, controlled, open-label trial involving hospitalized adult COVID-19 patients with prolonged PCR positivity.

European Union, HIV, and Coronavirus Disease 2019 (COVID-19): Progress and Lessons Learned From the HIV Pandemic
21 Sep 2020
HIV/AIDS90-90-90EU

Clinical Microbiology and Infection

Re: 'Effect of hydroxychloroquine with or without azithromycin on the mortality of COVID-19 patients' by Fiolet et al
27 Sep 2020
Publication date: Available online 25 September 2020Source: Clinical Microbiology and InfectionAuthor(s): Alexis Lacout, Pierre Yves Marcy, Christian Perronne

Corrigendum to 'Isavuconazole is highly active in vitro against Candida species isolates but shows trailing effect' Clinical Microbiology and Infection, Volume 24, Issue 12 (December 2018) Pages 1343.e1-1343.e4
27 Sep 2020
Publication date: Available online 25 September 2020Source: Clinical Microbiology and InfectionAuthor(s): L.J. Marcos-Zambrano, A. Gómez, C. Sánchez-Carrillo, E. Bouza, P. Muñoz, P. Escribano, J. Guinea

Re: 'effect of hydroxychloroquine with or without azithromycin on the mortality of COVID-19 patients' by Fiolet et al
25 Sep 2020
Publication date: Available online 24 September 2020Source: Clinical Microbiology and InfectionAuthor(s): Matthieu Million, Yanis Roussel, Jean-Christophe Lagier, Didier Raoult

High-speed large-scale automated isolation of SARS-CoV-2 from clinical samples using miniaturized co-culture coupled to high-content screening
24 Sep 2020
Publication date: Available online 23 September 2020Source: Clinical Microbiology and InfectionAuthor(s): Rania Francis, Marion Le Bideau, Priscilla Jardot, Clio Grimaldier, Didier Raoult, Jacques Yaacoub Bou Khalil, Bernard La Scola

Effects of tocilizumab on mortality in hospitalized patients with COVID-19: A multicenter cohort study
24 Sep 2020
Publication date: Available online 23 September 2020Source: Clinical Microbiology and InfectionAuthor(s): Javier Martínez-Sanz, Alfonso Muriel, Raquel Ron, Sabina Herrera, José A. Pérez-Molina, Santiago Moreno, Sergio Serrano-Villar

Clinical sequelae of COVID-19 survivors in Wuhan, China: a single-centre longitudinal study
24 Sep 2020
Publication date: Available online 23 September 2020Source: Clinical Microbiology and InfectionAuthor(s): Qiutang Xiong, Ming Xu, Jiao Li, Yinghui Liu, Jixiang Zhang, Yu Xu, Weiguo Dong

National case fatality rates of the COVID-19 pandemic
24 Sep 2020
Publication date: Available online 23 September 2020Source: Clinical Microbiology and InfectionAuthor(s): Önder Ergönül, Merve Akyol, Cem Tanrıöver, Henning Tiemeier, Eskild Petersen, Nicola Petroillo, Mehmet Gönen

Performance of a novel diagnostic assay for rapid SARS-CoV-2 antigen detection in nasopharynx samples
Nationwide outbreak of invasive listeriosis associated with consumption of meat products in health care facilities, Germany, 2014-2019

Suspicion of Lyme borreliosis in patients referred to an infectious diseases clinic: what did the patients really have?

Marked decrease in acquired resistance to antiretrovirals in latest years in Italy

Cerebrospinal fluid biomarkers of brain injury, inflammation and synaptic autoimmunity predict long-term neurocognitive outcome in herpes simplex encephalitis

Effects of 13-valent Pneumococcal Conjugate Vaccination of adults on lower respiratory tract infections and antibiotic use in primary care: secondary analysis of a double-blind randomized placebo-controlled study

Efficacy of corticosteroid treatment for hospitalized patients with severe COVID-19: a multicenter study

Frequency of and risk factors for reversion of QuantiFERON test in healthcare workers in an intermediate-tuberculosis burden country

Surging publications on the COVID-19 pandemic
Diagnostic Microbiology and Infectious Disease

Negative impact of the COVID-19 pandemic on the timely diagnosis of tick-borne infections
27 Sep 2020
Publication date: Available online 26 September 2020Source: Diagnostic Microbiology and Infectious DiseaseAuthor(s): Gary P. Wormser, Eliana Jacobson, Elayna M. Shanker

Identification of Streptococcus dysgalactiae using matrix-assisted laser desorption/ionization-time of flight mass spectrometry; refining the database for improved identification
23 Sep 2020
Publication date: Available online 22 September 2020Source: Diagnostic Microbiology and Infectious DiseaseAuthor(s): Eirik Jovall Nybakken, Oddvar Oppegaard, Marianne Gilhuus, Christian Salgård Jensen, Haima Mylvaganam

Advances in rapid diagnostics for bloodstream infections
23 Sep 2020
Publication date: Available online 22 September 2020Source: Diagnostic Microbiology and Infectious DiseaseAuthor(s): Neima Briggs, Sheldon Campbell, Shaili Gupta

Molecular detection of HSV, VZV and syphilis in swabs
23 Sep 2020
Publication date: Available online 21 September 2020Source: Diagnostic Microbiology and Infectious DiseaseAuthor(s): Emily J Goldstein, Lauren Cochrane, Simon M Bone, Rory N Gunson

Clinical evaluation of three chromogenic Media for the Isolation of Staphylococcus aureus in respiratory samples in patients with cystic fibrosis
23 Sep 2020
Publication date: Available online 22 September 2020Source: Diagnostic Microbiology and Infectious DiseaseAuthor(s): Virginie DYON-TAFANI, Jérôme JOSSE, Joanna SAFRANI-LAHYANI, Sophie ASSANT-TROUILLET, Marie CHIGANNE, Florian VINCENT, Michèle PEROUSE DE MONTCLOS, Anne DOLEANS-JORDHEIM, Frédéric LAURENT

Surgical site infection after liver transplantation in the era of multidrug-resistant Bacteria: What new risks should be considered?
23 Sep 2020
Publication date: Available online 22 September 2020Source: Diagnostic Microbiology and Infectious DiseaseAuthor(s): Maristela P. Freire, Alice T. Wan Song, Isabel Cristina Vilela Oshiro, Wellington Andraus, Luiz Augusto Carneiro D’Albuquerque, Edson Abdala

Emerging Infectious Diseases Journal - ahead of print

Sensitive Detection of SARS-CoV-2–Specific Antibodies in Dried Blood Spot Samples
24 Sep 2020
G. L. Morley et al.

Effects of Cocooning on Coronavirus Disease Rates after Relaxing Social Distancing
21 Sep 2020
X. Wang et al.
SARS-CoV-2 Seroprevalence among Healthcare, First Response, and Public Safety Personnel, Detroit Metropolitan Area, Michigan, USA, May–June 2020
21 Sep 2020

L. J. Akinbami et al.
Two Pandemics, One Challenge—Leveraging Molecular Test Capacity of Tuberculosis Laboratories for Rapid COVID-19 Case-Finding
21 Sep 2020

S. Homolka et al.

Eurosurveillance latest updates

Abandon of intramuscular administration of rabies immunoglobulin for post-exposure prophylaxis in the revised guidelines in the Netherlands in 2018: cost and volume savings
24 Sep 2020

The World Health Organization (WHO) issued an updated position paper on rabies in 2018, mainly focusing on simplification of vaccination schedules and use of rabies immunoglobulin (RIG). The maximum amount of RIG anatomically feasible should be infiltrated exclusively in and around the wound and will no longer be calculated solely based on body weight

Peer Review Week 2020: Eurosurveillance thanks all COVID-19 reviewers for their amazing work
24 Sep 2020

Rabies vaccination strategies in the Netherlands in 2018: a cost evaluation
24 Sep 2020

Background The risk of contracting rabies is low for travellers. However, the number of Dutch travellers potentially exposed abroad following an animal-associated injury and needing post-exposure prophylaxis (PEP) has increased, resulting in increased costs

Prevention of human rabies: a challenge for the European Union and the European Economic Area
24 Sep 2020

Rabies is enzootic in over one hundred countries worldwide. In the European Union/European Economic Area (EU/EEA), the vast majority of human rabies cases are travellers bitten by dogs in rabies-enzootic countries, mostly in Asia and Africa

Surveillance of COVID-19 school outbreaks, Germany, March to August 2020
24 Sep 2020

Mitigation of the coronavirus disease (COVID-19) pandemic in Germany included school closures in early March 2020. After reopening in April, preventive measures were taken in schools. We analysed national surveillance system data on COVID-19 school outbreaks during different time periods. After reopening, smaller outbreaks (average: 2

Authors’ correction for Euro Surveill. 2020;25(36)
24 Sep 2020

Hepatology

Long-Term Study of Hepatitis Delta Virus Infection at Secondary Care Centers: The Impact of Viremia on Liver-Related Outcomes
24 Sep 2020
Infection

**Personalized machine learning approach to predict candidemia in medical wards**
25 Sep 2020

Abstract
Candidemia is a highly lethal infection; several scores have been developed to assist the diagnosis process and recently different models have been proposed. Aim of this work was to assess predictive performance of a Random Forest (RF) algorithm for early detection of candidemia in the internal medical wards (IMWs).

**Abiotrophia defectiva as a cause of infective endocarditis with embolic complications in children**
25 Sep 2020

Abstract
Abiotrophia defectiva is a rare pathogen of infective endocarditis (IE) but is frequently involved in embolic complication and valvular dysfunction. IE caused by A. defectiva in children is poorly studied. This study reports four cases of A. defectiva IE in children and reviews previously reported five pediatric cases of A. defectiva IE.

**Staphylococcus capitis causing infective endocarditis: not so uncommon**
24 Sep 2020

**Dalbavancin as long-term suppressive therapy for patients with Gram-positive bacteremia due to an intravascular source—a series of four cases**
23 Sep 2020

Abstract
We present four cases with Gram-positive bacteremia (pathogens: MRSA n = 1, Enterococcus spp. n = 3) due to an intravascular source (left ventricular assist device: n = 2, transfemoral aortic valve implantation n = 1, prosthetic aortic valve: n = 1) where no curative treatment was available.

**First case of Candida auris isolated from the bloodstream of a Mexican patient with serious gastrointestinal complications from severe endometriosis**
22 Sep 2020

Abstract
A 58-year-old woman was diagnosed with severe endometriosis and had multiple gastrointestinal tract complications for many years. Candida auris and C. parapsilosis were isolated from the bloodstream. Identification of C. auris was confirmed by amplification and sequencing of the internal transcriber spacer and the D1/D2 domain of the large rRNA gene subunit.

Infection Control & Hospital Epidemiology - FirstView Article

**Occupational exposure to varicella zoster in a tertiary-care healthcare setting**
25 Sep 2020

Published online by Cambridge University Press:

**A quality improvement project to decrease utilization of multilumen peripherally inserted central catheters**
25 Sep 2020

Published online by Cambridge University Press:
Inpatient fluoroquinolone use in Veterans' Affairs hospitals is a predictor of Clostridioides difficile infection due to fluoroquinolone-resistant ribotype 027 strains

23 Sep 2020
Published online by Cambridge University Press:
Universal screening for Clostridioides difficile at an urban academic medical center

22 Sep 2020
Published online by Cambridge University Press:
Impact of national guidelines for antimicrobial stewardship to reduce antibiotic use in upper respiratory tract infection and gastroenteritis

22 Sep 2020
Published online by Cambridge University Press:
A survey of infection control strategies for carbapenem-resistant Enterobacteriaceae in Department of Veterans' Affairs facilities

22 Sep 2020
Published online by Cambridge University Press:

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Infection Control & Hospital Epidemiology - Current Issue

ICE volume 41 issue 10 Cover and Back matter

22 Sep 2020
ICE volume 41 issue 10 Cover and Front matter

22 Sep 2020

Behavioral change challenges in limiting fluoroquinolone and extended-spectrum cephalosporins to prevent Clostridioides difficile disease

07 Aug 2020

Increased hand hygiene compliance in nursing homes after a multimodal intervention: A cluster randomized controlled trial (HANDSOME)

04 Aug 2020
Objective: To assess the effect of a multimodal intervention on hand hygiene compliance (HHC) in nursing homes. Design, setting, and participants: HHC was evaluated using direct, unobtrusive observation in a cluster randomized controlled trial at publicly funded nursing homes in the Netherlands.

Universal screening for the SARS-CoV-2 virus on hospital admission in an area with low COVID-19 prevalence

23 Jul 2020

SARS-CoV-2 screening of asymptomatic healthcare workers

23 Jul 2020

Utility of asymptomatic inpatient testing for COVID-19 in a low-prevalence setting: A multicenter point-prevalence study

22 Jul 2020

Coinfections with SARS-CoV-2 and other respiratory pathogens

03 Jul 2020

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International Journal of Infectious Diseases
Effect of a previous history of antiretroviral treatment on the clinical picture of patients with co-infection of SARS-CoV-2 and HIV: A preliminary study

27 Sep 2020
Publication date: November 2020
Source: International Journal of Infectious Diseases, Volume 100
Author(s): Jia Liu, Wenjuan Zeng, Yukun Cao, Yue Cui, Yumin Li, Sheng Yao, Osamah Alwalid, Fan Yang, Yanqing Fan, Heshui Shi

Cultivating a universal understanding of ART adherence: Comments on “A meta-analysis of effectiveness of interventions to improve adherence in pregnant women receiving antiretroviral therapy in sub-Saharan Africa”

27 Sep 2020
Publication date: November 2020
Source: International Journal of Infectious Diseases, Volume 100
Author(s): Lindsey M. Filiatreau, Angela M. Parcesepe, Danielle Giovenco

Oral manifestations in a patient with a history of asymptomatic COVID-19: Case report

27 Sep 2020
Publication date: November 2020
Source: International Journal of Infectious Diseases, Volume 100
Author(s): Jairo Corchuelo, Francisco Chaviera Ulloa

Discussion on selecting the number of breaks in the pattern of spread of COVID-19 (a reply to Zhao and Liang)

27 Sep 2020
Publication date: November 2020
Source: International Journal of Infectious Diseases, Volume 100
Author(s): Young-Joo Kim, Myung Hwan Seo, Hyun-E Yeam

Pneumonia misinterpretation in COVID-19: Review and update

27 Sep 2020
Publication date: November 2020
Source: International Journal of Infectious Diseases, Volume 100
Author(s): Michele Scialpi

A pragmatic stepped-wedge cluster randomized trial to evaluate the effectiveness and cost-effectiveness of active case finding for household contacts within a routine tuberculosis program, San Juan de Lurigancho, Lima, Peru

25 Sep 2020
Publication date: November 2020
Source: International Journal of Infectious Diseases, Volume 100
Author(s): Lena Shah, Marlene Rojas Peña, Oscar Mori, Carlos Zamudio, Jay S. Kaufman, Larissa Otero, Eduardo Gotuzzo, Carlos Seas, Timothy F. Brewer

Implementation of surgical site infection surveillance in low- and middle-income countries a position statement for the international society for infectious diseases: a position statement for the international society for infectious diseases

25 Sep 2020
Publication date: November 2020
Source: International Journal of Infectious Diseases, Volume 100
Author(s): Shaheen Mehtar, Anthony Wanyoro, Folasade Ogunsola, Emmanuel A. Ameh, Peter Nthumba, Claire Kilpatrick, Gunturu Revathi, Anastasia Antoniadou, Helen Giamarelou, Anucha Apisarnthanarak, John W. Ramatowski, Victor D. Rosenthal, Julie Storr, Tamer Saied Osman, Joseph S. Solomkin

Clusters of COVID-19 associated with Purim celebration in the Jewish community in Marseille, France, March 2020

24 Sep 2020
Publication date: November 2020
Source: International Journal of Infectious Diseases, Volume 100
Author(s): Sarah Aherfi, Philippe Gautret, Hervé Chaudet, Didier Raoult, Bernard La Scola
Multisystem inflammatory syndrome in children (MIS-C): Report of the clinical and epidemiological characteristics of cases in Santiago de Chile during the SARS-CoV-2 pandemic

24 Sep 2020
Publication date: November 2020
Source: International Journal of Infectious Diseases, Volume 100
Author(s): Juan P. Torres, Giannina Izquierdo, Mirta Acuña, Daniela Pavez, Felipe Reyes, Ana Frits, Ricardo González, Carolina Rivacoba, Verónica Contardo, Lorena I. Tapia

Characterizing mothers and children at risk of being under-immunized in India: A latent class analysis approach

23 Sep 2020
Publication date: November 2020
Source: International Journal of Infectious Diseases, Volume 100
Author(s): Taylor A. Holroyd, Brian Wahl, Madhu Gupta, Molly Sauer, Madeleine Blunt, Amelia K. Gerste, Daniel J. Erchick, Mathuram Santosham, Rupali J. Limaye

The importance of patients’ case-mix for the correct interpretation of the hospital fatality rate in COVID-19 disease

23 Sep 2020
Publication date: November 2020
Source: International Journal of Infectious Diseases, Volume 100
Author(s): Antonella d’Arminio Monforte, Alessandro Tavelli, Francesca Bai, Daniele Tomasoni, Camilla Falcinella, Roberto Castoldi, Diletta Barbanotti, Giovanni Mulè, Marina Allegrini, Daniele Tesoro, Gianmarco Tagliatferri, Debora Mondatore, Matteo Augello, Andrea Cona, Giuseppe Ancona, Lidia Gazzola

Retention of neutralizing antibodies to Japanese encephalitis vaccine in age groups above fifteen years in Korea

23 Sep 2020
Publication date: November 2020
Source: International Journal of Infectious Diseases, Volume 100
Author(s): Hee-Jung Lee, Hanul Choi, Ki Hoon Park, Yuyeon Jang, Young-jin Hong, Young Bong Kim

Journal of Clinical Virology

Pushing beyond specifications: Evaluation of linearity and clinical performance of the cobas 6800/8800 SARS-CoV-2 RT-PCR assay for reliable quantification in blood and other materials outside recommendations

23 Sep 2020
Reliability of CE-marked NATs for HIV-1 subtype C detection and quantitation

23 Sep 2020
Evaluation of dried blood spot testing using the Abbott Alinity i

22 Sep 2020

Journal of Hospital Infection

Ethanol and Isopropanol Inactivation of Human Coronavirus on Hard Surfaces

26 Sep 2020
The COVID-19 pandemic has greatly increased the frequency of disinfecting surfaces in public places causing a strain on the ability to obtain disinfectant solutions. An alternative is to supply plain alcohols (EtOH and IPA) or sodium hypochlorite (SH).
Clinical Outcomes After Faecal Microbiota Transplant by Retention Enema in both Immunocompetent and Immunocompromised Patients with Recurrent Clostridioides difficile Infections at an Academic Medical Center
26 Sep 2020
Recurrence Clostridioides difficile infection (CDI) is one of the most common and challenging infections to treat in healthcare facilities. Faecal microbiota transplantation (FMT) is recommended as a definitive treatment option.

Risk of complications and mortality following recurrent and non-recurrent Clostridioides difficile infection: a retrospective, observational, database study in England
25 Sep 2020
Clostridioides difficile infection (CDI) increases the risk of complications and mortality. We assessed the magnitude of these outcomes in a large cohort of English patients with initial and recurrent CDI.

Natural history of COVID-19 infection in healthcare workers in Northern Italy
24 Sep 2020
Currently, 14 days after clinical recovery is considered the adequate time-frame for quarantined individuals infected by COVID-19, but no data have been reported in healthcare workers. In our population of 142 healthcare workers infected by COVID-19, the mean time for viral clearance was 31.8 days. Asymptomatic subjects cleared the virus earlier than symptomatic (22 vs 34.2 days, p<0

Use of surveillance technology to enhance exposure management for healthcare workers during the COVID-19 pandemic
24 Sep 2020
We read with interest the recent article by Wee et al. describing the contact tracing processes for a COVID-19 case among their institution’s healthcare workers (HCWs), a security guard working in the emergency department’s “fever area”, who was picked up by universal screening of all ancillary HCWs

Risk factors for surgical site infection after pancreatic surgery. A better postoperative antibiotic strategy is possible
24 Sep 2020
Pancreatic surgery is associated with high morbidity, mostly due to infectious complications, so many centres introduce postoperative antibiotics for all patients. However, antibiotic regimens vary according to local practices

Acanthamoeba castellanii interferes with adequate chlorine disinfection of multidrug-resistant Pseudomonas aeruginosa
22 Sep 2020
Verona-Integron-encoded-Metallo-β-lactamase-positive Pseudomonas aeruginosa (VIM-PA) is a cause of hard-to-treat nosocomial infections, and can colonize hospital water networks alongside Acanthamoeba. We developed an in vitro disinfection model to examine whether Acanthamoeba castellanii can harbour VIM-PA intracellularly, allowing VIM-PA to evade being killed by currently-used hospital

Sex differences in mortality in the intensive care unit patients with severe COVID-19
27 Sep 2020
The available evidence suggests that mortality from coronavirus disease 2019 (COVID-19) in males is higher than in females.1 In a recent cross-sectional study, de Lusignan et al.
evaluated the absolute excess risk (AER) of mortality and excess mortality rate (EMR) in the UK from a COVID-19 sentinel surveillance network in people aged 45 years and above.

Letter in response to article in journal of infection: “Clinical characteristics of 345 patients with coronavirus disease 2019 in Japan: A multicenter retrospective study”
27 Sep 2020
We read with great interest the study by Ishii M et al., in which hyperuricemia was deemed a novel risk factor for COVID-related death.1 In this study, severity was defined as the need for oxygen supplementation. Respiratory failure is indeed the most important pathology that contributes to the severity of COVID-19.

Clinical characteristics, symptoms and outcomes of 1054 adults presenting to hospital with suspected COVID-19: a comparison of patients with and without SARS-CoV-2 infection
27 Sep 2020
The COVID-19 pandemic caused by SARS-CoV-2 has led to over 21 million cases and over 700,000 deaths worldwide [1]. Over 130,000 patients have been admitted to hospitals in the UK with confirmed COVID-19 [2].

The potential indicators for pulmonary fibrosis in survivors of severe COVID-19
27 Sep 2020
We read great interest in the risk factors of critical or mortal COVID-19 cases, recently reported by Ye, et al in this journal [1]. Here we paid more attention about the long-term lung sequelae among survivors of severe COVID-19.

The usefulness of NEWS2 at day 7 of hospitalization in predicting COVID-19 evolution and as an early endpoint in therapeutic trials
27 Sep 2020

Dear Editor,

High Rates of Antimicrobial Resistance among Clinical Isolates from Microbiology Laboratories in Syria.
27 Sep 2020
Dear Editor

Survey of antibiotic and antifungal prescribing in patients with suspected and confirmed COVID-19 in Scottish hospitals
25 Sep 2020
A relatively low prevalence of antibiotic prescribing in SARS-CoV-2 hospitalised patients and low proportion of broad spectrum antibiotics in non-critical care settings was observed potentially reflecting national antimicrobial stewardship initiatives.

Downregulation of IGF2 expression in third trimester placental tissues from Zika virus infected women in Brazil
25 Sep 2020
Zika virus (ZIKV) is an emerging arbovirus belonging to the genus Flavivirus, family Flaviviridae, which includes other viruses relevant to public health, such as dengue (DENV), yellow fever (YFV) and West Nile (WNV) viruses.

Cost-effectiveness Analysis of a Fecal Microbiota Transplant Center for Treating Recurrent C.difficile Infection
24 Sep 2020
Clostridioides difficile (C.difficile) is a spore-forming, toxin-producing, gram-positive bacillus bacteria found in approximately 15% of healthy adults1, although colonization does not necessarily translate to infection. The incidence of C.difficile infection (CDI) in the USA doubled from 2000 to 20102. In 2017 the Center for Disease Control and Prevention (CDC) reported an incidence rate of 130

A quick prediction tool for unfavourable outcome in COVID-19 inpatients: development and internal validation
24 Sep 2020
As COVID-19 pandemic continues to escalate, hospitals around the world confront with the need to attend an increasing number of patients. Therefore, we read with much interest the recent study published in the Journal of Infection by Galloway JB et al., reinforcing the importance of stratifying patients to ease their management and their incorporation to potential clinical trials [1]

**Neutrophil-to-lymphocyte ratio at admission is an independent risk factors for the severity and mortality in patients with coronavirus disease 2019**

23 Sep 2020
The study by Liu et al. have been published in your journal and reported that the neutrophil-to-lymphocyte ratio (NLR) is an independent risk factor for the mortality of the COVID-19 patients.1 Based on it, we reported the association between levels of NLR at admission and the disease severity in COVID-19, and further explored the predictive role of NLR for mortality of the COVID-19 patients in

**Journal of Microbiology, Immunology and Infection**

**Real-time PCR for the rapid detection of vanA, vanB and vanM genes**
27 Sep 2020
Publication date: October 2020Source: Journal of Microbiology, Immunology and Infection, Volume 53, Issue 5Author(s): Yuan-Hui He, Gen-Jie Ruan, Hui Hao, Feng Xue, Ya-Kun Ma, Sai-Nan Zhu, Bo Zheng

**Prevalence and molecular characteristics of MRSA nasal carriage among hospital care workers in a tertiary hospital in the Philippines**
27 Sep 2020
Publication date: October 2020Source: Journal of Microbiology, Immunology and Infection, Volume 53, Issue 5Author(s): Faith Anne Buenaventura-Alcazaren, Angelo dela Tonga, Anna Ong-Lim, Raul V. Destura

**Increased mcr-1 in pathogenic Escherichia coli from diseased swine, Taiwan**
27 Sep 2020
Publication date: October 2020Source: Journal of Microbiology, Immunology and Infection, Volume 53, Issue 5Author(s): Jing-Yi Liu, Tsai-Lien Liao, Wei-Cheng Huang, Yen-Ming Liu, Keh-Ming Wu, Tsai-Ling Lauderdale, Shih-Feng Tsai, Shu-Chen Kuo, Hung-Chih Kuo

**Antibiotic exposure and asthma development in children with allergic rhinitis**
27 Sep 2020
Publication date: October 2020Source: Journal of Microbiology, Immunology and Infection, Volume 53, Issue 5Author(s): Yi-Ching Lin, Yen-Chun Chen, Chang-Hung Kuo, Yu-Han Chang, Hsin-Yi Huang, Wei-Ju Yeh, Ting-Yi Wu, Ming-Yi Huang, Chih-Hsing Hung

**The association of pili with the emergence and replacement of the major antibiotic resistant pneumococcal clones**
27 Sep 2020
Publication date: October 2020Source: Journal of Microbiology, Immunology and Infection, Volume 53, Issue 5Author(s): Helena Zemlickova, Vladislav Jakubu, Marta Fridrichova, Lucia Malisova, Martin Musilek, Milan Trojanek

**Differential dynamics of hepatic protein expressions with long-term cultivated hepatitis C virus infection**
27 Sep 2020
Publication date: October 2020Source: Journal of Microbiology, Immunology and Infection, Volume 53, Issue 5Author(s): Peiju Tsai, Tze-Yu Lin, Shiang-Lin Cheng, Hung-Yu Sun, Sung-Fang Chen, Kung-Chia Young
Postoperative Mycobacteroides abscessus subsp. abscessus endophthalmitis: Clinical analysis of 12 clustered adults and a proposed therapeutic algorithm
27 Sep 2020

Characterization of lymphocyte subsets in peripheral blood cells of children with EV71 infection
27 Sep 2020
Publication date: October 2020Source: Journal of Microbiology, Immunology and Infection, Volume 53, Issue 5Author(s): Ming-Qi Zhao, Li-Hua Wang, Guang-Wan Lian, Zheng-Fang Lin, Ying-Hua Li, Min Guo, Yi Chen, Xiao-Min Liu, Bing Zhu

Synergistic effect of linezolid with fosfomycin against Staphylococcus aureus in vitro and in an experimental Galleria mellonella model
27 Sep 2020
Publication date: October 2020Source: Journal of Microbiology, Immunology and Infection, Volume 53, Issue 5Author(s): Lan Li, Hao Chen, Yanyan Liu, Shuangli Xu, Maomao Wu, Zhou Liu, Gaifen Qi, Guijun Zhang, Jiabin Li, Xiaohui Huang

The role of 5-methoxytryptophan in pediatric-onset lupus nephritis: A retrospective cohort study
27 Sep 2020
Publication date: October 2020Source: Journal of Microbiology, Immunology and Infection, Volume 53, Issue 5Author(s): Ting-Chun Lin, Cheng-Chin Kuo, Chao-Yi Wu, Kuo-Wei Yeh, Ming-Ling Kuo, Jing-Long Huang

Nut sensitization profile in Southern Taiwan
27 Sep 2020
Publication date: October 2020Source: Journal of Microbiology, Immunology and Infection, Volume 53, Issue 5Author(s): Chih-Wei Cheng, Yung-Chih Lin, Bao-Ren Nong, Po-Yen Liu, Yung-Feng Huang, Ling-Ying Lu, Herrng-Sheng Lee

Association between sensitized to food allergens and childhood allergic respiratory diseases in Taiwan
27 Sep 2020
Publication date: October 2020Source: Journal of Microbiology, Immunology and Infection, Volume 53, Issue 5Author(s): Yun-Hu Wang, Ko-Huang Lue

Diagnostic surveillance by Candida albicans germ tube antibody in intensive care unit patients
27 Sep 2020
Publication date: October 2020Source: Journal of Microbiology, Immunology and Infection, Volume 53, Issue 5Author(s): Laura Trovato, Marinella Astuto, Giacomo Castiglione, Guido Scalia, Salvatore Oliveri

The new perspective of old antibiotic: In vitro antibacterial activity of TMP-SMZ against Klebsiella pneumoniae
27 Sep 2020
Publication date: October 2020Source: Journal of Microbiology, Immunology and Infection, Volume 53, Issue 5Author(s): Jiahui Li, Wenzi Bi, Guofeng Dong, Yizhi Zhang, Qing Wu, Tongyu Dong, Jianming Cao, Tieli Zhou

Effects of dietary-fiber levels on RANK/RANKL/OPG expression in the appendix of weanling rabbits
27 Sep 2020
Publication date: October 2020Source: Journal of Microbiology, Immunology and Infection, Volume 53, Issue 5Author(s): Yanli Zhu, Yingchao Sun, Nanbin Zhang, Fuchang Li, Hailiang Zhou
High incidence of acquiring methicillin-resistant Staphylococcus aureus in Brazilian children with Atopic Dermatitis and associated risk factors
27 Sep 2020
Publication date: October 2020Source: Journal of Microbiology, Immunology and Infection, Volume 53, Issue 5Author(s): Eliane D. Abad, Dennis de Carvalho Ferreira, Fernanda S. Cavalcante, Simone Saintive, Ekaterini Goudouris, Evandro A. Prado, Cristina Hofer, Marcia Ribeiro, Alexandre Marques Paes da Silva, Alexandre S. Rosado, Jan Dirk van Elsas, Katia R.N. dos Santos

Importance of kelch 13 C580Y mutation in the studies of artemisinin resistance in Plasmodium falciparum in Greater Mekong Subregion
27 Sep 2020
Publication date: October 2020Source: Journal of Microbiology, Immunology and Infection, Volume 53, Issue 5Author(s): Myo Thura Zaw, Zaw Lin, Nor Amalina Emran

COVID-19 associated with pulmonary aspergillosis: A literature review
25 Sep 2020
Publication date: Available online 24 September 2020Source: Journal of Microbiology, Immunology and InfectionAuthor(s): Chih-Cheng Lai, Weng-Liang Yu

Escherichia coli FimH adhesins act synergistically with PapG II adhesins for enhancing establishment and maintenance of kidney infection
23 Sep 2020
Publication date: Available online 22 September 2020Source: Journal of Microbiology, Immunology and InfectionAuthor(s): Chin-Chung Tseng, Wei-Hung Lin, An-Bang Wu, Ming-Cheng Wang, Ching-Hao Teng, Jiunn-Jong Wu

Lancet: Infectious Diseases

[Clinical Picture] Chlamydia pneumoniae mucositis syndrome
24 Sep 2020
A previously healthy woman, aged 32 years, presented to her family physician with fever, cough, and shortness of breath. A chest x-ray showed a right lower lobe pneumonia and she received clarithromycin (500 mg orally every 12h) with initial improvement of her respiratory symptoms

[Clinical Picture] Purple urine bag syndrome: a colourful complication of urinary tract infection
24 Sep 2020
An 84-year-old male presented to the emergency room complaining of lower back pain over the past 2 weeks. He was on a 1-week course of ketoprofen (100 mg twice a day), dipyrrone (500 mg every 6 h), codeine (30 mg every 8 h), and tramadol (50 mg every 8 h), without showing any pain relief. Prolonged use of the opioid codeine without laxatives led to 7-day constipation

[Correspondence] mcr-1 and plasmid prevalence in Escherichia coli from livestock
24 Sep 2020
We read with interest the Article by Yang Wang and colleagues,1 in which they assessed the effects of the withdrawal of colistin as a feed additive on the prevalence of colistin-resistant Escherichia coli (CREC) and mcr-1-positive E coli (MCRPEC) in China

[Media Watch] The big disease with a little name
24 Sep 2020
The first episode of The big disease with a little name aired on BBC Radio 4 in early June, just as the UK was starting to ease its lockdown. The 12-part documentary series traces the history of HIV/AIDS. Listening to it in the era of COVID-19, one is struck by how much separates the two pandemics

[Media Watch] Cholera: Zimbabwe's unsung political victim
Few reports have emerged out of Zimbabwe scrutinising the political life of diseases. None has gone deeper on cholera than Simukai Chigudu’s The Political Life of an Epidemic: Cholera, Crisis and Citizenship in Zimbabwe, which describes the 2008–09 cholera outbreak.

The arrival of Sputnik V

Controversy continues to brew around Russia’s newly minted COVID-19 vaccine, Sputnik V. Vijay Shankar Balakrishnan reports.

COVID-19 claims another victim

Concerns exist about COVID-19 control in the UK after the dissolution of Public Health England in August in the midst of the pandemic. Talha Burki reports.

Research brief

A bioengineering technique to boost production of specific proteins might be the basis of a vaccine against severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) that causes COVID-19. It is based on using snippets of a pathogen’s structure to produce an antigen that triggers an appropriate immune response.

Evelina Tacconelli—two viruses, two wars

As a young doctor in the Catholic University Hospital of Rome, Evelina Tacconelli joined a war against a new and deadly threat—HIV—which was sweeping through the world. Now three decades later, she finds herself taking on another lethal enemy—severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2).

Use of polymyxins in Chinese hospitals

We acknowledge the Comment from Federico Perez and Robert A Bonomo regarding our Article on the decline of colistin resistance and mcr-1 abundance in Escherichia coli from animal and human origins following the ban of colistin as an animal growth promoter in China. We appreciate their suggestion that the insufficient data on clinical polymyxin use is a limitation of our study.

COVID-19 in Africa: half a year later

With the number of COVID-19 cases decreasing across the continent, it is time to reflect on the first months of the pandemic in Africa. Munyaradzi Makoni reports.

Infectious disease surveillance update

Togo has become the first country in Africa to eliminate African trypanosomiasis (or African sleeping sickness) as a public health threat with no reported cases in the last 10 years. WHO announced the validation on Aug 27 after more than two decades of sustained surveillance and screening of cases.

Morbidity and Mortality Weekly Report (MMWR)

RECOMMENDATIONS AND REPORTS: Meningococcal Vaccination: Recommendations of the Advisory Committee on Immunization Practices, United States, 2020

This report describes the recommendations from CDC's Advisory Committee on Immunization Practices for use of meningococcal vaccines in the United States.

Trends in Diagnosis of HIV Infection, Linkage to Medical Care, and Viral Suppression Among Men Who Have Sex with Men, by Race/Ethnicity and Age - 33 Jurisdictions, United States, 2014-2018

[back to top]
This report describes how increased linkage to care among men who have sex with men promotes viral suppression, which can prevent human immunodeficiency virus transmission.

**Public Awareness of Invasive Fungal Diseases - United States, 2019**
24 Sep 2020
This report describes how public awareness of fungal diseases can prevent incorrect treatment and improve outcomes.

24 Sep 2020
This report describes demographic characteristics, underlying medical conditions, and hospital admissions of health care personnel with COVID-19 during February-July 2020.

**Disparities in COVID-19 Incidence, Hospitalizations, and Testing, by Area-Level Deprivation - Utah, March 3-July 9, 2020**
24 Sep 2020
This report describes disproportionate incidence of COVID-19 infections among Utah residents living in deprived areas.

**Rabies in a Dog Imported from Egypt - Kansas, 2019**
24 Sep 2020
This report describes an instance of canine rabies in a rescue dog imported from Egypt.

**Notes from the Field: Travel-Associated Measles in a Person Born Before 1957 - Pinellas County, Florida, 2019**
24 Sep 2020
This report discusses a patient aged 72 years who contracted measles following a trip to Asia.

**QuickStats: Management of Patient Health Information Functions Among Office-Based Physicians With and Without a Certified Electronic Health Record (EHR) System - National Electronic Health Records Survey, United States, 2018**
24 Sep 2020
This report describes how office-based physicians are managing patient health information.

**Erratum: Vol. 69, No. 36**
24 Sep 2020
Erratum: Vol. 69, No. 36

**EARLY RELEASE: Changing Age Distribution of the COVID-19 Pandemic - United States, May-August 2020**
23 Sep 2020
This report describes the changing age distribution of the COVID-19 pandemic in the United States with an increase in incidence among younger adults.

**EARLY RELEASE: COVID-19 Contact Tracing in Two Counties - North Carolina, June-July 2020**
22 Sep 2020
This report describes the percentage of investigated persons with COVID-19 who reported contacts and the percentage of contacts who were not reached in two counties in North Carolina.

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**Nature Reviews Microbiology - Current Issue**

**Gut microbial metabolites as multi-kingdom intermediates**
23 Sep 2020
Nature Reviews Microbiology, Published online: 23 September 2020; doi:10.1038/s41579-020-0438-4 The gut microbiota contributes to host physiology through the production of a myriad of metabolites. In this Review, Bäckhed and colleagues discuss the major classes of microbial metabolites, highlight examples of how microbial metabolites affect host health and provide a potential framework for
Recombination should not be an afterthought
21 Sep 2020
Nature Reviews Microbiology, Published online: 21 September 2020; doi:10.1038/s41579-020-00451-1 This month’s Genome Watch highlights how the search for the origins of SARS-CoV-2 emphasizes the need for integrated phylogenetic methods.

Reconstructing organisms in silico: genome-scale models and their emerging applications
21 Sep 2020
Nature Reviews Microbiology, Published online: 21 September 2020; doi:10.1038/s41579-020-00440-4 Genome-scale models (GEMs) are mathematical representations of reconstructed networks that facilitate computation and prediction of phenotypes, and are useful tools for predicting the biological capabilities of microorganisms

New England Journal of Medicine - Current Issue

Community Health Workers and Covid-19 — Addressing Social Determinants of Health in Times of Crisis and Beyond
23 Sep 2020
New England Journal of Medicine, Ahead of Print.

Loss of Anti–SARS-CoV-2 Antibodies in Mild Covid-19
23 Sep 2020
New England Journal of Medicine, Ahead of Print.

Cardiovascular Outcomes with Ertugliflozin in Type 2 Diabetes
23 Sep 2020
New England Journal of Medicine, Ahead of Print.

23 Sep 2020

Scandinavian Journal of Infectious Diseases: Table of Contents

Impact of the beta-lacta test on the management of urinary tract infections at the emergency department
22 Sep 2020

Rosuvastatin decreases serum inflammatory markers and slows atherosclerosis progression rate in treated HIV-infected patients with metabolic syndrome
21 Sep 2020

Clinical features and outcome of COVID-19 pneumonia in haemodialysis patients
21 Sep 2020

NIS Affiliation
Re-validation and update of an extended-specificity multiplex assay for detection of Streptococcus pneumoniae capsular serotype/serogroup-specific antigen and cell-wall polysaccharide in urine specimens.

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Evaluation of temocillin and meropenem MICs as diagnostic markers for OXA-48-like carbapenemases.

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Optimisation of Mycobacterium bovis BCG Fermentation and Storage Survival.

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Optimisation of Mycobacterium bovis BCG Fermentation and Storage Survival. Pharmaceutics. 2020 Sep 22;12(9):
Authors: Pascoe J, Hendon-Dunn CL, Birch CPD, Williams GA, Chambers MA, Bacon J Abstract Mycobacterium bovis Bacillus Calmette-Guérin (M)

Rhinomaxillary syndrome in Hansen's disease: a clinical perspective.

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Authors: Deps P, do Espírito Santo RB, Charlier P, Collin SM PMID: 32970834 [PubMed - as supplied by publisher]


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Overcoming Intrinsic and Acquired Resistance Mechanisms Associated with the Cell Wall of Gram-Negative Bacteria. Antibiotics (Basel). 2020 Sep 19;9(9):
Authors: Impey RE, Hawkins DA, Sutton JM, Soares da Costa TP Abstract The global increase in multi-drug-resistant bacteria is severely impacting our ability to effectively treat common infections


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Agent-based modelling study of antimicrobial-resistant Neisseria gonorrhoeae transmission in men who have sex with men: towards individualised diagnosis and treatment.

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Agent-based modelling study of antimicrobial-resistant Neisseria gonorrhoeae transmission in men who have sex with men: towards individualised diagnosis and treatment.
Related Articles
Gonorrhoea: tackling the global epidemic in the era of rising antimicrobial resistance.
24 Sep 2020
Related Articles Gonorrhoea: tackling the global epidemic in the era of rising antimicrobial resistance. Sex Health. 2019 09;16(5):397-400 Authors: Ong JJ, Wi T, Hughes G, Williamson DA, Mayaud P, Chow EPF Abstract This Special Issue of Sexual Health aims to collate the latest evidence base focussed on understanding the current epidemic and transmission of gonorrhoea, choice of treatment, Genotypic determinants of fluoroquinolone and macrolide resistance in Neisseria gonorrhoeae.
24 Sep 2020
24 Sep 2020
Related Articles World Health Organization Global Gonococcal Antimicrobial Surveillance Program (WHO GASP): review of new data and evidence to inform international collaborative actions and research efforts. Sex Health In vitro activity of cefiderocol, a siderophore-cephalosporin, against multidrug-resistant gram-negative bacteria.
23 Sep 2020
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Gentamicin as an alternative to ceftriaxone in the treatment of gonorrhoea: the G-TOG non-inferiority RCT.
22 Sep 2020
Related Articles Gentamicin as an alternative to ceftriaxone in the treatment of gonorrhoea: the G-TOG non-inferiority RCT. Health Technol Assess. 2019 05;23(20):1-104 Authors: Ross
Abstract

BACKGROUND: Gonorrhoea is a common