1 May 2016 Volume 62 Number 9





# Clinical Infectious Diseases



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Clinical Infectious Diseases (ISSN: 1058-4838) is published semi-monthly by Oxford University Press, 2001 Evans Road, Cary, NC 27513-2009, USA. Periodicals Postage Paid at Cary, NC, and additional mailing offices. POSTMASTER: Send address changes to Clinical Infectious Diseases, Journals Customer Service Department, Oxford University Press, 2001 Evans Road, Cary, NC 27513-2009.

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Typeset by Nova Techset Private Limited, Chennai, India.

Printed by Cenveo Publisher Services, Lancaster, PA, USA.

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Clin Infect Dis. (2016) 62 (9): i-ii doi:10.1093/cid/ciw089

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#### IN THE LITERATURE

#### In the Literature

Clin Infect Dis. (2016) 62 (9): iii-iv doi:10.1093/cid/ciw070

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#### **ARTICLES AND COMMENTARIES**

Yu-Hsiang Hsieh, Richard E. Rothman, Oliver B. Laeyendecker, Gabor D. Kelen, Ama Avornu, Eshan U. Patel, Jim Kim, Risha Irvin, David L. Thomas, and Thomas C. Quinn

Evaluation of the Centers for Disease Control and Prevention Recommendations for Hepatitis C Virus Testing in an Urban Emergency Department

Clin Infect Dis. (2016) 62 (9): 1059-1065 doi:10.1093/cid/ciw074

Abstract Full Text (HTML) View with LENS Full Text (PDF) Permissions

We assessed the burden of undocumented hepatitis C virus infection in emergency department patients prior to implementation of testing program. Our data suggest the need to consider expanding the current Centers for Disease Control and Prevention birth cohort–based testing in urban healthcare settings.

Michael S. Lyons, Vidhya A. Kunnathur, Susan D. Rouster, Kimberly W. Hart, Matthew I. Sperling, Carl J. Fichtenbaum, and Kenneth E. Sherman

Prevalence of Diagnosed and Undiagnosed Hepatitis C in a Midwestern Urban Emergency Department

Clin Infect Dis. (2016) 62 (9): 1066-1071 doi:10.1093/cid/ciw073

Abstract Full Text (HTML) View with LENS Full Text (PDF) Permissions

Prevalence of hepatitis C virus is remarkably high in emergency department populations, even in a region of the Midwest not characterized by high HIV prevalence. In this setting, many patients will be missed if using only the birth cohort screening approach.

Natasha K. Martin, Alicia Thornton, Matthew Hickman, Caroline Sabin, Mark Nelson, Graham S. Cooke, Thomas C. S. Martin, Valerie Delpech, Murad Ruf, Huw Price, Yusef Azad, Emma C. Thomson, and Peter Vislamman.

Editor's Choice: Can Hepatitis C Virus (HCV) Direct-Acting Antiviral Treatment as Prevention Reverse the HCV Epidemic Among Men Who Have Sex With Men in the United Kingdom? Epidemiological and Modeling Insights

Clin Infect Dis. (2016) 62 (9): 1072-1080 doi:10.1093/cid/ciw075

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Epidemiological data and modeling suggest a continuing hepatitis C virus (HCV) epidemic among human immunodeficiency virus-diagnosed men who have sex with men in the United Kingdom. Substantial reductions in HCV transmission could be achieved through scale-up of HCV treatment and behavioral intervention.

Anne F. Luetkemeyer, Cynthia Firnhaber, Michelle A. Kendall, Xingye Wu, Gerald H. Mazurek, Debra A. Benator, Roberto Arduino, Michel Fernandez, Elizabeth Guy, Pamela Johnson, Beverly Metchock, Fred Sattler, Edward Telzak, Yun F. Wang, Marc Weiner, Susan Swindells, Ian M. Sanne, Diane V. Havlir, Beatriz Grinsztejn, and David Alland for the AIDS Clinical Trials Group A5295 and Tuberculosis Trials Consortium Study 34 Teams

Evaluation of Xpert MTB/RIF Versus AFB Smear and Culture to Identify Pulmonary Tuberculosis in Patients With Suspected Tuberculosis From Low and Higher Prevalence Settings

<u>Clin Infect Dis.</u> (2016) 62 (9): 1081-1088 doi:10.1093/cid/ciw035

Abstract Full Text (HTML) View with LENS Full Text (PDF) Supplementary Data Permissions In the US, Xpert demonstrated excellent sensitivity in individuals with smear-positive tuberculosis and identified the majority with smear-negative tuberculosis. One Xpert predicted the absence of smear positive tuberculosis in 99.7% of specimens, indicating a role in respiratory isolation algorithms.

Andrew R. DiNardo, Christoph Lange, and Anna M. Mandalakas Editorial Commentary: 1, 2, 3 (Years) ... and You're Out: The End of a 123-year

1 dari 5 7/26/2016 5:19 PM

#### Historic Era

Clin Infect Dis. (2016) 62 (9): 1089-1091 doi:10.1093/cid/ciw041

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Carlos A. DiazGranados, Andrew J. Dunning, Corwin A. Robertson, H. Keipp Talbot, Victoria Landolfi, and David P. Greenberg

Effect of Previous-Year Vaccination on the Efficacy, Immunogenicity, and Safety of High-Dose Inactivated Influenza Vaccine in Older Adults

Clin Infect Dis. (2016) 62 (9): 1092-1099 doi:10.1093/cid/ciw085

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High-dose inactivated split-virus influenza vaccine showed higher immunogenicity and relative efficacy compared with standard-dose inactivated split-virus influenza vaccine, irrespective of type of vaccine used the preceding year. The safety profile was also unaffected by previous-year vaccine.

T. Roice Fulton, Varun K. Phadke, Walter A. Orenstein, Alan R. Hinman, Wayne D. Johnson, and Saad B.

Editor's Choice: Protective Effect of Contemporary Pertussis Vaccines: A Systematic Review and Meta-analysis

Clin Infect Dis. (2016) 62 (9): 1100-1110 doi:10.1093/cid/ciw051

Abstract FREE Full Text (HTML) View with LENS FREE Full Text (PDF) Supplementary Data Permissions

In this meta-analysis of pertussis vaccine efficacy/effectiveness studies focusing on formulations currently on the market, the overall short-term (<3 years after completion of the primary series) protective effect against WHO-defined pertussis was lower for acellular vaccines than for whole-cell vaccines.

Erika Hammarlund, Archana Thomas, Elizabeth A. Poore, Ian J. Amanna, Abby E. Rynko, Motomi Mori, Zunqiu Chen, and Mark K. Slifka

Durability of Vaccine-Induced Immunity Against Tetanus and Diphtheria Toxins: A Cross-sectional Analysis

Clin Infect Dis. (2016) 62 (9): 1111-1118 doi:10.1093/cid/ciw066

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The persistence of vaccine-induced antibody responses to tetanus and diphtheria were studied in 546 adults. Immunity was long-lived in both men and women and remained durable regardless of advanced age, suggesting that the 10-year adult booster vaccination schedule be reexamined.

Sara Tomczyk, Ruth Lynfield, William Schaffner, Arthur Reingold, Lisa Miller, Susan Petit, Corinne Holtzman, Shelley M. Zansky, Ann Thomas, Joan Baumbach, Lee H. Harrison, Monica M. Farley, Bernard Beall, Lesley McGee, Ryan Gierke, Tracy Pondo, and Lindsay Kim

Prevention of Antibiotic-Nonsusceptible Invasive Pneumococcal Disease With the 13-Valent Pneumococcal Conjugate Vaccine

Clin Infect Dis. (2016) 62 (9): 1119-1125 doi:10.1093/cid/ciw067

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We present the impact of 13-valent pneumococcal conjugate vaccine (PCV13) on antibiotic-nonsusceptible invasive pneumococcal disease. In 2009–2013, rates of serotypes included in PCV13 but not 7-valent PCV decreased; rates of non-PCV13 serotypes increased slightly, but no serotype dominated.

Xianding Deng, Gisele Peirano, Erin Schillberg, Tony Mazzulli, Scott D. Gray-Owen, John L. Wylie, D. Ashlev Robinson, Salaheddin M. Mahmud. and Dylan R. Pillai

Whole-Genome Sequencing Reveals the Origin and Rapid Evolution of an Emerging Outbreak Strain of *Streptococcus pneumoniae* 12F

Clin Infect Dis. (2016) 62 (9): 1126-1132 doi:10.1093/cid/ciw050

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The Canadian pneumococcal 12F outbreak was caused by a novel strain that acquired macrolide resistance through horizontal gene transfer and developed fluoroquinolone resistance via stepwise mutation. Rapid expansion of this clone in North America warrants heightened surveillance.

#### **VIEWPOINTS**

Nathan C. Bahr, Suzaan Marais, Maxine Caws, Reinout van Crevel, Robert J. Wilkinson, Jaya S. Tyagi, Guy E. Thwaites, and David R. Boulware for the Tuberculous Meningitis International Research Consortium GeneXpert MTB/Rif to Diagnose Tuberculous Meningitis: Perhaps the First Test but not the Last

Clin Infect Dis. (2016) 62 (9): 1133-1135 doi:10.1093/cid/ciw083

Abstract Full Text (HTML) View with LENS Full Text (PDF) Permissions

Experts attending tuberculous meningitis meeting ask World Health Organization to revise current recommendations regarding tuberculous meningitis.

#### **BRIEF REPORTS**

Julianne R. Brown, Kimberly Gilmour, and Judith Breuer

Norovirus Infections Occur in B-Cell-Deficient Patients

Clin Infect Dis. (2016) 62 (9): 1136-1138 doi:10.1093/cid/ciw060

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Kim Y. Green

Editorial Commentary: Noroviruses and B Cells

Clin Infect Dis. (2016) 62 (9): 1139-1140 doi:10.1093/cid/ciw063

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#### **PHOTO QUIZ**

#### Progressive Right-Sided Hemiparesis in a Man With Sarcoidosis

Clin Infect Dis. (2016) 62 (9): 1141-1142 doi:10.1093/cid/ciw006

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#### **INVITED ARTICLES**

#### CLINICAL PRACTICE

Victor H. Matsubara, H. M. H. N. Bandara, Marcia P. A. Mayer, and Lakshman P. Samaranayake **Probiotics as Antifungals in Mucosal Candidiasis** 

Clin Infect Dis. (2016) 62 (9): 1143-1153 doi:10.1093/cid/ciw038

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Probiotics have potential to be worthy allies in the battle against candidiasis. Their antifungal effect may be due to the suppression of candidal filamentation and biofilm formation. Data indicate that probiotics are useful prophylactic and adjunctive therapies against mucosal candidiasis.

#### IMMUNOCOMPROMISED HOSTS

Anders Åsberg, Atul Humar, Halvor Rollag, Alan G. Jardine, Deepali Kumar, Pål Aukrust, Thor Ueland, Angelo A. Bignamini, and Anders Hartmann

Lessons Learned From a Randomized Study of Oral Valganciclovir Versus Parenteral Ganciclovir Treatment of Cytomegalovirus Disease in Solid Organ Transplant Recipients: The VICTOR Trial

Clin Infect Dis. (2016) 62 (9): 1154-1160 doi:10.1093/cid/ciw084

Abstract Full Text (HTML) View with LENS Full Text (PDF) Permissions

In addition to showing noninferiority for oral valganciclovir compared with intravenous ganciclovir for treatment of cytomegalovirus (CMV) disease, the VICTOR biobank, in a series of post hoc analyses, provided clinically valuable insights into the treatment and pathogenesis of CMV disease.

#### **HIV/AIDS**

Olivier Marcy, Vibol Ung, Sophie Goyet, Laurence Borand, Philippe Msellati, Mathurin Tejiokem, Ngoc Lan Nguyen Thi, Boubacar Nacro, Sokleaph Cheng, Sara Eyangoh, Thu Hang Pham, Abdoul-Salam Ouedraogo, Arnaud Tarantola, Sylvain Godreuil, Stéphane Blanche, and Christophe Delacourt for the PAANTHER study group

Performance of Xpert MTB/RIF and Alternative Specimen Collection Methods for the Diagnosis of Tuberculosis in HIV-Infected Children

<u>Clin Infect Dis.</u> (2016) 62 (9): 1161-1168 doi:10.1093/cid/ciw036

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The accuracy of Xpert MTB/RIF was similar on standard and alternative samples in 272 human immunodeficiency virus—infected children with suspected tuberculosis; its sensitivity on combined nasopharyngeal aspirate and stool samples (75.9%) was equivalent to that on standard samples.

Anne K. Detjen and Elisabetta Walters

Editorial Commentary: Improving Children's Access to New Tuberculosis Diagnostic Tools Starts With the Collection of Appropriate Specimens

Clin Infect Dis. (2016) 62 (9): 1169-1171 doi:10.1093/cid/ciw042

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David V. Glidden, K. Rivet Amico, Albert Y. Liu, Sybil G. Hosek, Peter L. Anderson, Susan P. Buchbinder, Vanessa McMahan, Kenneth H. Mayer, Burns David, Mauro Schechter, Beatriz Grinsztejn, Juan Guanira, and Robert M. Grant

Symptoms, Side Effects and Adherence in the iPrEx Open-Label Extension

Clin Infect Dis. (2016) 62 (9): 1172-1177 doi:10.1093/cid/ciw022

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The start-up syndrome associated with initiation of truvada as pre-exposure prophylaxis peaks within the first month of use and resolves by the third month. It is experienced by 16% of users and has a modest effect on adherence.

Rodolphe Thiébaut, Ana Jarne, Jean-Pierre Routy, Irini Sereti, Margaret Fischl, Prudence Ive, Roberto F. Speck, Gianpiero D'Offizi, Salvatore Casari, Daniel Commenges, Sharne Foulkes, Ven Natarajan, Thérèse Croughs, Jean-François Delfraissy, Guiseppe Tambussi, Yves Levy, and Michael M. Lederman

Repeated Cycles of Recombinant Human Interleukin 7 in HIV-Infected Patients With Low CD4 T-Cell Reconstitution on Antiretroviral Therapy: Results of 2 Phase II Multicenter Studies

Clin Infect Dis. (2016) 62 (9): 1178-1185 doi:10.1093/cid/ciw065

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In 2 phase II trials, repeated cycles of recombinant human interleukin 7 were safe and led to a sustained increase in CD4 T-cell counts in human immunodeficiency virus—infected individuals with low CD4 T-cell reconstitution during antiretroviral therapy.

#### ANSWER TO THE PHOTO QUIZ

Progressive Right-Sided Hemiparesis in a Man With Sarcoidosis

Clin Infect Dis. (2016) 62 (9): 1186-1187 doi:10.1093/cid/ciw011

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#### **CORRESPONDENCE**

Wuelton M. Monteiro, José P. Moura-Neto, Judith Recht, Quique Bassat, and Marcus V. G. Lacerda Fatal Primaquine-Induced Hemolysis in a Patient With *Plasmodium vivax* Malaria and G6PD A(-) Variant in the Brazilian Amazon

Clin Infect Dis. (2016) 62 (9): 1188 doi:10.1093/cid/ciw039

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White, Alimuddin Zumla, and Giovanni Battista Migliori
Effectiveness and Safety of Imipenem-Clavulanate Added to an Optimized Background
Regimen (OBR) Versus OBR Control Regimens in the Treatment of Multidrug-Resistant
and Extensively Drug-Resistant Tuberculosis

Clin Infect Dis. (2016) 62 (9): 1188-1190 doi:10.1093/cid/ciw088

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Gerd Fätkenheuer and Norma Jung

#### Treatment of Asymptomatic Bacteriuria

Clin Infect Dis. (2016) 62 (9): 1190 doi:10.1093/cid/ciw054

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Tommaso Cai and Riccardo Bartoletti

#### Reply to Fätkenheuer and Jung

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#### Reply to Hurley

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Reply to Deeny et al

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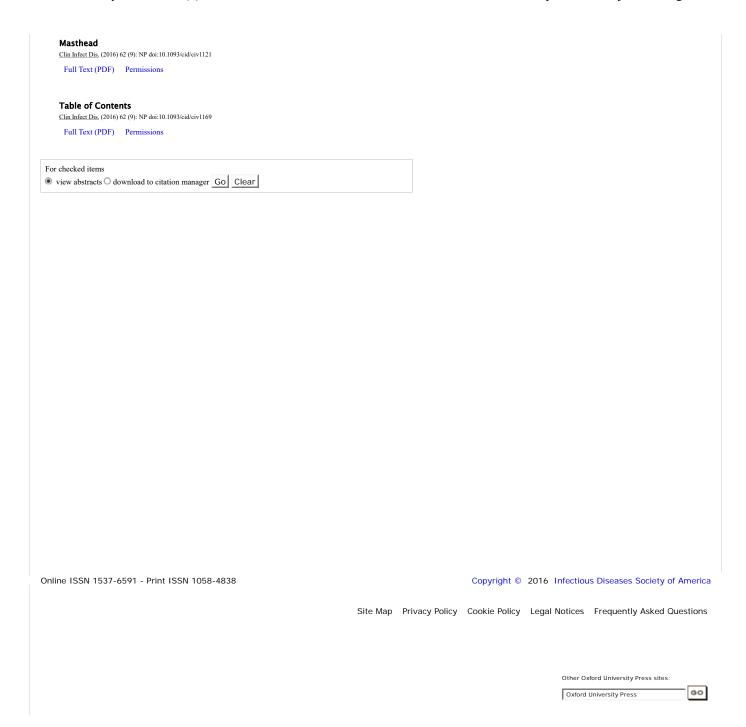
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