

AJIC Contents

American Journal of Infection Control

MESSAGE FROM APIC

Registration for the APIC 47th Annual Conference is now open. Join us in Phoenix, Arizona, and be a part of the largest gathering of IPC professionals in the world 1405

JOINT STATEMENT OF THE ASSOCIATION FOR PROFESSIONALS IN INFECTION CONTROL AND EPIDEMIOLOGY (APIC) AND THE SOCIETY FOR HEALTHCARE EPIDEMIOLOGY OF AMERICA (SHEA)

Mission critical partnership for infection prevention success 1406
K Hoffmann, and HM Babcock

EDITORIAL

Transitions and Looking Ahead 1408
EL Larson

MAJOR ARTICLES

Influencing duration of antibiotic therapy: A behavior change analysis in long-term care 1409
BJ Langford, J Quirk, S Carey, N Daneman, and GE Garber

Prevalence of *Staphylococcus aureus* and methicillin-resistant *S aureus* on environmental surfaces in Ohio nursing homes 1415
S Cheatham, D Thapaliya, M Taha, K Milliken, MR Dalman, J Kadariya, D Grenier, and TC Smith

Network analysis of cases with methicillin-resistant *Staphylococcus aureus* and controls in a large tertiary care facility 1420
ID Moldovan, K Suh, EY Liu, and A Jolly

Surgical antimicrobial prophylaxis prescribing practices and impact on infection risk: Results from a multicenter surveillance study in Italy (2012-2017) 1426
C Vicentini, G Politano, S Corcione, MF Furmenti, F Quattrocchio, FG De Rosa, and CM Zotti

Incidence of infections caused by carbapenem-resistant *Acinetobacter baumannii* 1431
I Rossi, S Royer, ML Ferreira, PA Campos, B Fuga, GN Melo, LG Machado, DS Resende, D Batistão, JE Urzedo, PP Gontijo-Filho, and RM Ribas

Validation of a carbapenem-resistant *Enterobacteriaceae* colonization risk prediction model: A retrospective cohort study in Korean intensive care units 1436
JY Song, and IS Jeong

Challenges encountered and lessons learned during a trial of an electronic hand hygiene monitoring system 1443
JM Boyce, T Cooper, J Yin, F-Y Li, and JW Arbogast

MICROBIAL SURVEILLANCE TESTING MADE EASY

Healthmark offers the One-Two Punch to Identify and Document the Efficacy of Your Endoscope Reprocessing

SCREEN WITH THE NOW! TEST

*Rapid Indicator of
Gram-Negative bacteria*

This immediate, practical screening test is available as a swab or flush method. Simply flush the lumen or swab the elevator mechanism of a flexible endoscope, such as a duodenoscope, and follow the procedure for gram-negative bacteria detection in less than 12 hours.

< 10 CFU



 healthmark

AUDIT WITH THE FLEXIBLE ENDOSCOPE SAMPLING KIT

Surveillance tool for the random testing of duodenoscopes in compliance with FDA guidelines - In association with Nelson Laboratories



A simple and complete kit. After flushing and brushing the lumen and elevator mechanism of a duodenoscope, simply follow the procedure to have the sample solution & brush heads quickly sent to Nelson Laboratories - the leader in independent testing of flexible endoscopes. All tools are included for testing and shipment.


NELSON
LABORATORIES

Hand hygiene compliance surveillance with time series anomaly detection TL Wiemken, L Hainaut, H Bodenschatz, and R Varghese	1449
Estimating the effect of hand hygiene compliance and surface cleaning timing on infection risk reductions with a mathematical modeling approach AM Wilson, KA Reynolds, and RA Canales	1453
Effect of a school-based hand hygiene program for Malawian children: A cluster randomized controlled trial BC Mbakaya, P Lee, and RLT Lee	1460
EXPO-S.T.O.P. 2016 and 2017 blood exposure surveys: An alarming rise T Grimmond, and L Good	1465
You get back what you give: Decreased hospital infections with improvement in CHG bathing, a mathematical modeling and cost analysis KA Reagan, DM Chan, G Vanhoozer, MP Stevens, M Doll, EJ Godbout, K Cooper, RJ Pryor, RR Hemphill, and G Bearman	1471
Risk of infection in patients undergoing urologic surgery based on the presence of asymptomatic bacteriuria: A prospective study JA Ramos-Castaneda, A Ruano-Ravina, LS Munoz-Price, R Toro-Bermúdez, D Ruiz-Londoño, AM Segura-Cardona, and EV Lemos-Luengas	1474
Factors associated with multidrug-resistant bacteria in a cohort of patients with asymptomatic bacteriuria who underwent urological surgery JA Ramos-Castaneda, A Ruano-Ravina, DF Salinas, J Osorio-Manrique, AM Segura-Cardona, and EV Lemos-Luengas	1479
Skin colonization at peripheral intravenous catheter insertion sites increases the risk of catheter colonization and infection MA Choudhury, HE Sidjabat, HM Zowawi, N Marsh, E Larsen, N Runnegar, DL Paterson, DJ McMillan, and CM Rickard	1484
Microbial colonization of intravascular catheter connectors in hospitalized patients R Hankins, OD Majorant, ME Rupp, RJ Cavalieri, PD Fey, E Lyden, and KA Cawcutt	1489
Screening asymptomatic households for <i>Streptococcus pyogenes</i> pharyngeal carriage as a part of in-hospital investigation of puerperal sepsis R Cohen, S Cohen, M Afraimov, T Finn, F Babushkin, K Geller, S Paikin, I Yoffe, L Valinsky, M Ron, and A Rokney	1493
HIV-associated comorbidities as mediators of the association between people living with HIV and hospital-acquired infections D Rojas, D Wendell, TF Ferguson, WT Robinson, MJ Trepka, and SC Straif-Bourgeois	1500
BRIEF REPORTS	
Strategies for the successful implementation of disinfecting port protectors to reduce CLABSI in a large tertiary care teaching hospital C Beeler, D Kerley, C Davis, D Hazen, W Snyderman, K Lyons, J Sadowski, J Sweeney, L Dbeibo, K Kelley, and DH Webb	1505
Is 2-person urinary catheter insertion effective in reducing CAUTI? S Fletcher-Gutowski, and J Cecil	1508



SPEED and POWER

PROTECT YOUR PATIENTS, STAFF, AND FACILITY

NEW! Next-generation Disinfectant

Sani-Prime™



ACCELOQUAT™ formulation: Innovation against infection

You're a heroic infection fighter. Choose the disinfectant that delivers **SPEED**—a true 1-minute bactericidal, fungicidal, virucidal, and tuberculocidal—and **POWER**, destroying 54 microorganisms, including 17 Multi-Drug Resistant Organisms like MRSA, CRE, and VRE.

Call on the **SPEED** and **POWER** of Prime at pdihc.com/Prime



Spray format available!



- An outbreak of *Pseudomonas aeruginosa* urinary tract infections following outpatient flexible cystoscopy** 1510
E Sorbets, M Evrevin, E Jumas-Bilak, A Masnou, A Lotthé, R Thuret, P Chaize, F Peyremorte, S Romano-Bertrand, and S Parer
- Antimicrobial stewardship impact on *Pseudomonas aeruginosa* susceptibility to meropenem at a tertiary pediatric institution** 1513
JS Stultz, SR Arnold, CM Shelton, B Bagga, and KR Lee
- Effects of environmental disinfection on the isolation of vancomycin-resistant *Enterococcus* after a hospital-associated outbreak of Middle East respiratory syndrome** 1516
J-H Ko, S-H Kim, NY Lee, Y-j Kim, SY Cho, C-I Kang, DR Chung, and KR Peck
- LETTERS TO THE EDITOR
- A call for improved occupational surveillance for measles in the United States** 1519
CK Brown
- “Methods for microbial needleless connector decontamination: A systematic review and meta-analysis” – Interpret results with caution** 1520
LS Aho Glélé, A Guilloteau, and K Astruc, Y Carre, P Chaize, O Keita-Perse, Y Lurton, and D Lepelletier
- Response to the Letter to the Editor regarding “Methods for microbial needleless connector decontamination: A systematic review and meta-analysis”** 1521
JM Flynn, E Larsen, S Keogh, A Ullman, and CM Rickard
- Instillation of disinfectant behind a temporary obstruction created by an inflated urinary catheter balloon improves sink drain disinfection** 1522
LD Jones, TSC Mana, JL Cadnum, AL Jencson, H Alhmidi, SY Silva, BM Wilson, and CJ Donskey
- Regarding “Risks and benefits of using chlorhexidine gluconate in handwashing: a systematic literature review”** 1524
D Hamann, and C Hamann



Article is available online

www.ajicjournal.org