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## CONTENTS

### SHEA Document

- 1** Policy statement from the Society for Healthcare Epidemiology of America (SHEA): Only medical contraindications should be accepted as a reason for not receiving all routine immunizations as recommended by the Centers for Disease Control and Prevention  
*David J. Weber, Thomas R. Talbot, Allison Weinmann, Trini Mathew, Emily Heil, Edward Stenehjem, Robert Duncan, Alan Gross, Patricia Stinchfield, Christopher Baliga, Jamie Wagner, William Schaffner, Kelly Echevarria and Marci Drees on behalf of the Society for Healthcare Epidemiology of America (SHEA)*

### SHEA White Paper

- 6** Institutional quality and patient safety programs: An overview for the healthcare epidemiologist  
*Pranavi V. Sreeramoju, Tara N. Palmore, Grace M. Lee, Michael B. Edmond, Jan E. Patterson, Kent A. Sepkowitz, Donald A. Goldmann, David K. Henderson and Keith S. Kaye*

### Original Articles

- 18** How to keep patients and staff safe from accidental SARS-CoV-2 exposure in the emergency room: Lessons from South Korea's explosive COVID-19 outbreak  
*Yun Jeong Kim, Jae Young Choe, Ki Tae Kwon, Soyeon Hwang, Gyu-Seog Choi, Jin Ho Sohn, Jong Kun Kim, In Hwan Yeo, Yeon Joo Cho, Ji Yeon Ham, Kyung Eun Song and Nan Young Lee*
- 25** Decontamination and reuse of surgical masks and N95 filtering facepiece respirators during the COVID-19 pandemic: A systematic review  
*Kachorn Seresirikachorn, Vorakamol Phoophiboon, Thitiporn Chobarporn, Kasenee Tiankanon, Songklot Aeumjaturapat, Supinda Chusakul and Kornkiat Snidvongs*
- 31** Antibiotic-resistant pathogens associated with urinary tract infections in nursing homes: Summary of data reported to the National Healthcare Safety Network Long-Term Care Facility Component, 2013–2017  
*Taniece R. Eure, Nimalie D. Stone, Elisabeth A. Mungai, Jeneita M. Bell and Nicola D. Thompson*
- 37** Antimicrobial use for asymptomatic bacteriuria—First, do no harm  
*Yana Shpunt, Inna Estrin, Yossef Levi, Hodaya Saadon, Galit Ben-Yossef, Lili Goldshtein, Dan Klafter, Shani Zilberman-Itskovich, Debby Ben-David, David E. Katz, Tsillia Lazarovitch, Ronit Zaidenstein and Dror Marchaim*
- 43** Safety, effectiveness and sustainability of a laboratory intervention to de-adopt culture of midstream urine samples among hospitalized patients  
*Mohammad Mozafarihashjin, Jerome A. Leis, Lorraine Maze dit Mieusement, Liz McCreight, Susan Poutanen, Ananya Shrivastava, Jannice So, Christine Soong, Liz van Horne, Louis Wong, and Allison McGeer*

- 51** Using diagnostic stewardship to reduce rates, healthcare expenditures and accurately identify cases of hospital-onset *Clostridioides difficile* infection  
*Dipesh Solanky, Derek K. Juang, Scott T. Johns, Ian C. Drobish, Sanjay R. Mehta and Monika Kumaraswamy*
- 57** Inpatient fluoroquinolone use in Veterans' Affairs hospitals is a predictor of *Clostridioides difficile* infection due to fluoroquinolone-resistant ribotype 027 strains  
*Sandra Y. Silva, Brigid M. Wilson, Sarah N. Redmond and Curtis J. Donskey*
- 63** 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  
*Dylan J. Nagy, David M. Dziewulski, Neculai Codru and Ursula L. Lauper*
- 69** Validation of an algorithm for semiautomated surveillance to detect deep surgical site infections after primary total hip or knee arthroplasty—A multicenter study  
*Janneke D. M. Verberk, Stephanie M. van Rooden, Mayke B. G. Koek, David J. Hetem, Annelies E. Smilde Wendy S. Bril, Roel H. R. A. Streefkerk, Titia E. M. Hopmans, Marc J. M. Bonten, Sabine C. de Greeff and Maaïke S. M. van Mourik*

#### Review

- 75** 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  
*Elaine C. Toomey, Yvonne Conway, Chris Burton, Simon Smith, Michael Smalle, Xin-Hui S. Chan, Anil Adishes, Sarah Tanveer, Lawrence Ross, Iain Thomson, Declan Devane and Trish Greenhalgh*

#### Concise Communication

- 84** Bacterial and fungal coinfections in COVID-19 patients hospitalized during the New York City pandemic surge  
*Priya Nori, Kelsie Cowman, Victor Chen, Rachel Bartash, Wendy Szymczak, Theresa Madaline, Chitra Punjabi Katiyar, Ruchika Jain, Margaret Aldrich, Gregory Weston, Philip Gialanella, Marilou Corpuz, Inessa Gendlina and Yi Guo*
- 89** Antimicrobial prescribing practices at a tertiary-care center in patients diagnosed with COVID-19 across the continuum of care  
*Ryan W. Stevens, Kelsey Jensen, John C. O'Horo and Aditya Shah*
- 93** Survey to determine the relative importance of clinical factors used to make empiric antibiotic decisions  
*Casey Kim, Julia E. Szymczak, Erin M. Schnellinger, David J. Herman, Leigh A. Kennedy, Naasha J. Talati and Keith W. Hamilton*
- 96** Interventions to improve antibiotic prescribing at hospital discharge: A systematic review  
*Lindsay M. Daniels and David J. Weber*

- 100** The impact of a bundle to prevent hospital-acquired pneumonia in a cohort of nonventilated patients on enteral nutrition

*Michelli Cristina Silva de Assis, Andreia Barcellos Teixeira Macedo, Célia Mariana Barbosa de Souza Martins, Loriane Rita Konkewicz, Luciana Verçoza Viana, Juliana Petri Tavares, Aline Castello Branco Mancuso, Ninon Girardon da Rosa and Rodrigo Pires dos Santos*

### Research Brief

- 103** Evaluation of a telethermographic system for temperature screening at a large tertiary-care referral hospital during the coronavirus disease 2019 (COVID-19) pandemic

*Katherine C. Leach, Misti G. Ellsworth, Luis Z. Ostrosky, Cynthia S. Bell, Kathy Masters, John Calhoun, Lance Ferguson, Susie Distefano and Michael L. Chang*

- 105** Risk of coronavirus disease 2019 (COVID-19) acquisition among emergency department patients: A retrospective case control study

*Jessica P. Ridgway and Ari A. Robicsek*

- 107** Assessment of room quality of manual cleaning and turnaround times with and without ultraviolet light at an academic medical center

*Oluchi J. Abosi, Takaaki Kobayashi, Stephanie Holley, Mary E. Kukla, Angelique Dains, Tatiana Izakovic, Kyle E. Jenn, Holly Meacham, Glen H. Rogers, Jon Garringer, William Millard, Daniel J. Diekema, Michael B. Edmond Melanie Wellington and Jorge L. Salinas*

- 109** Minimum healthcare worker influenza immunization rates required to decrease influenza transmission in two acute-care hospitals

*Victoria R. Williams, Maja McGuire, Kevin Katz and Jerome A. Leis*

- 110** Serious antibiotic-related adverse effects following unnecessary dental prophylaxis in the United States

*Alan E. Gross, Katie J. Suda, Jifang Zhou, Gregory S. Calip, Susan A. Rowan, Ronald C. Hershow, Rose Perez, Charlesnika T. Evans and Jessina C. McGregor*

### Letters to the Editor

- 113** Olfactory and gustatory dysfunction caused by SARS-CoV-2: Comparison with cases of infection with influenza and other viruses

*Tsutomu Nakashima, Hirokazu Suzuki and Masaaki Teranishi*

- 114** Asymptomatic SARS-CoV-2 infections: What do we need to know?

*Caixia Tan, Yuanyuan Xiao, Xiujuan Meng, Xun Huang, Chunhui Li and Anhua Wu*

- 115** Wearing face masks regardless of symptoms is crucial for preventing the spread of COVID-19 in hospitals

*Joon Kee Lee and Hye Won Jeong*

- 117** One-house one-person testing: Strategic plan to limit COVID-19 spread in stage three in the developing world

*Sheikh Muhammad Ebad Ali*

- 118** Angiotensin-converting-enzyme inhibitors (ACE inhibitors) and angiotensin II receptor blocker (ARB) use in COVID-19 prevention or treatment: A paradox  
*Shaghayegh Haghjooy Javanmard, Kiyam Heshmat-Ghahdarjani and Golnaz Vaseghi*
- 120** Emergency science: Epistemological insights on the response to COVID-19 pandemics  
*Carlos Magno Castelo Branco Fortaleza*
- 121** Protecting frontline healthcare workers should be the top priority in low-resource health systems: Bangladesh and COVID-19  
*Md. Zakiul Hassan, Mohammad R. Monjur, Ashley Rene Styczynski, Mahmudur Rahman and Sayera Banu*
- 123** Occupational tuberculosis exposures and conversion rates can guide deimplementation of annual tuberculosis skin test screening  
*Takaaki Kobayashi, Holly Meacham, Mohammed Alsuhaibani, Stephanie Holley, Alexandre R. Marra, Michael B. Edmond, Daniel J. Diekema, Patrick G. Hartley and Jorge L. Salinas*
- 125** Reviewers

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## About the cover:



Starting in 2015, the cover format of each volume of *Infection Control and Hospital Epidemiology* will be changed in order to honor one of the many professionals throughout history who not only recognized how disease might be spread, but also how those principles could be applied to reduce healthcare associated infections.

Wu Lien-teh, M.D., MPH was born Gnoh Lean Tuck in Malaysia in 1879. His father, who was Chinese, immigrated to Penang to work as a goldsmith. In 1896, Wu won the Queen's Scholarship allowing him to enroll at Emmanuel College in Cambridge University. After training at St. Mary's Hospital in London, Wu pursued research at the Liverpool School of Tropical Medicine, the Pasteur Institute, and the Bacteriological Institute of Halle in the fields of bacteriology, malaria, and tetanus. By the age of 24, Dr. Wu was the first student of Chinese descent to graduate from Cambridge with a medical degree.

Dr. Wu returned to Malaysia in 1903, to find that there were no posts in the Medical Service for non-British specialists. After a brief time studying beri-beri, he returned to Penang to establish a medical practice. He advocated for the abolition of gambling, spirits and opium which impacted local government coffers. Wu soon found himself to be in possession of an ounce of opium for which he was prosecuted. In 1907, Wu left Malaysia to accept an invitation to serve as the Vice-Director of Imperial Army Medical College in Tientsin, China.

In 1910, an outbreak of a rapidly fatal respiratory disease occurred in the Chinese-Russian town of Harbin in Manchuria. The outbreak began amongst 10,000 hunters who stayed in crowded inns; they sought marmots for their pelts which, when appropriately dyed, could pass for sable. Wu, being conversant in French and German, was dispatched to work with foreign medical officers. No one had seen pneumonic plague in recent memory, but Dr. Wu strongly suspected the diagnosis and had to overcome Chinese prohibitions against performing postmortems to prove it. With his direction, travel was restricted, plague hospitals were built and the symptomatic isolated, their homes were disinfected, and asymptomatic contacts were identified and quarantined in freight cars. Bodies that could not be buried in the frozen soil were cremated contrary to the teachings of Confucianism. Everyone was encouraged to wear anti-plague masks, the forerunner of the N95 mask. One senior physician who notably refused to wear a mask died of the disease. By the Lunar New Year in 1911, the outbreak had ceased; 60,000 inhabitants had died.

Dr. Wu was nominated for the Nobel Prize for his work as a plague fighter; he directed the National Quarantine Service and was the first president of the China Medical Society. He also championed the modernization of Chinese Medical and Public Health Systems. After the Japanese occupation of China in 1937, he returned to Malaysia where he practiced medicine until retirement at the age of 80. Dr. Wu Lien-teh died on January 20, 1960 following a stroke.

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Cover image: The Wu Lien Teh Memorial Museum in Harbin, China (<https://wulienteh.com/1453/dr-wu-lien-teh-memorial-museum/>).