An Official Journal of The Society for Healthcare Epidemiology of America

Published for the Society by Slack Incorporated

INFECTION CONTROL AND HOSPITAL EPIDEMIOLOGY®



5th International Conference on the Prevention of Infection

Nice - France - May 6-7, 1998

OFFICIAL PARTNERS

CDC, Centers for Disease Control and Prevention - EBJIS, European Bone and Joint Infection - ESCMID, European Society of Clinical Microbiology and Infectious Diseases - ESICM, European Society of Intensive Care Medicine - ESPID, European Society of Paediatric Infectious Diseases - GDEPIH, Groupement pour le Dépistage, l'Etude et la Prévention des Infections Hospitalières - Ligue Française pour la Prévention des Maladies Infectieuses - National Foundation for Infectious Diseases - SFAR, Société Française d'Anesthésie et de Réanimation - SFHH, Société Française d'Hygiène Hospitalière - SHEA, The Society for Healthcare Epidemiology of America - SIS, Surgical Infection Society -SRLF, Société de Réanimation de Langue Française

Vol. 19 No. 8 August 1998

INFECTION CONTROL AND HOSPITAL EPIDEMIOLOGY®

CONTENTS

Prevention: Toward a Golden Age (Editorial) JEAN-CLAUDE PECHÈRE, MD		537
Spread of Vancomycin-Resistant Enterococci: Why Did It WILLIAM J. MARTONE, MD	Happen in the United States?	539
Spread of Vancomycin-Resistant Enterococci: Differences Between the United States and Europe HERMAN GOOSSENS, MD, PHD		546
Methicillin-Resistant Staphylococcus aureus and Its Rel Antimicrobial Use: Possible Implications for Control DOMINIQUE L. MONNET, DPHARM, PHD	lationship to	552
Preventing Antibiotic Resistance Using Rapid DNA-Based Michel G. Bergeron, MD; Marc Ouellette, MD	d Diagnostic Tests	560
Comparative and Library Epidemiological Typing Systems Outbreak Investigations Versus Surveillance Systems Marc J. Struelens, MD; Yves De Gheldre, MD; Ariane Deplano, MSc	s:	565
Modeling Measles, Mumps, and Rubella: Implications for Design of Vaccination Programs NIGEL J. GAY, MA, MSc	r the	570
Nosocomial Transmission of Opportunistic Infections Julie Louise Gerberding, MD, MPH		574
Is Streptococcus pneumoniae a Nosocomially Acquired Franco Paradisi, MD; Giampaolo Corti, MD	Pathogen?	578
Increasing Bacteremia Due to Coagulase-Negative Staphy Joakim D. Thylefors, MD; Stephan Harbarth, MD; Didier Pittet, MD, MS	dococci: Fiction or Reality?	581
Strategies for Prevention of Infection in Short-Duration N Lynda Fenelon, MB	Veutropenia	590
Occult Nosocomial Infections Christiane Petignat, MD; Dominique S. Blanc, PhD; Patrick Francioli, MD		593
Critical-Care–Unit Bedside Design and Furnishing: Impa	act on Nosocomial Infections	597
Abstracts From the Fifth International Conference on the Medical News Gina Pugliese, RN, MS; Martin S. Favero, PhD	Prevention of Infection 545, 559, 564, 569, 573, 577, 580, 5	602 689, 596, 611
SHEA News		612

To view abstracts of these articles, visit us on the Internet at http://www.slackinc.com/general/iche

THE PUBLICATION OF ADVERTISING IN THE JOURNAL DOES NOT CONSTITUTE ANY GUARANTEE OR ENDORSEMENT BY THE SOCIETY FOR HEALTHCARE EPIDEMIOLOGY OF AMERICA OR SLACK INCORPORATED OF THE ADVERTISED PRODUCT OR SERVICE OR OF CLAIMS MADE BY THE ADVERTISER. THE PUBLICATION OF ARTICLES AND OTHER EDITORIAL MATERIAL IN THE JOURNAL DOES NOT NECESSARILY REPRESENT THE POLICY RECOMMENDATIONS OR ENDORSEMENT BY THE SOCIETY.

PUBLISHER: Infection Control and Hospital Epidemiology (ISSN-0899-823X, Canadian GST#129780466) is published exclusively by SLACK Incorporated 12 times a year. Address: 6900 Grove Rd., Thorofare, NJ 08086. Telephone: (609) 848-1000.

SHEA: 19 Mantua Rd., Mt. Royal, NJ 08061; telephone, 609-423-0087; fax, 609-423-3420; e-mail address, sheahq@tmg.smarthub.com.

COPYRIGHT 1998 The Society for Healthcare Epidemiology of America, Inc., and SLACK Incorporated. All rights reserved. No part of this publication may be reproduced without written permission from the publisher. Printed in the USA.

SUBSCRIPTIONS: Requests should be addressed to the publisher (except Japan). In Japan, contact Woodbell Incorporated, 4-22-11, Kitakasai, Edogawaku, Tokyo 134, Japan. Subscription rates in the United States and possessions: Individual: One year-\$98.00; Two years-\$136.00; Three years-\$169.00; Institutional: One year-\$120.00; Two years-\$170.00; Three years-\$220.00. Fellows: \$49 per year with proof of training status. Canada: \$19.00 additional each year plus 7% for Canadian Goods & Services tax; all other countries: \$38.00 additional each year. Overseas surface, \$84.00 each year overseas air mail. Single copies of current issues may be obtained for \$15.00, United States and possessions; \$20.00 all other countries.

INSTRUCTIONS TO AUTHORS: Authors may submit manuscripts prepared in accordance with the 1997 revision of the "Uniform Requirements for Manuscripts Submitted to Biomedical Journals." The Uniform Requirements has been published in several journals, including Infect Control Hosp Epidemiol 1997;18:457-464 and Ann Intern Med 1997;126:36-47. A digital version is available on our web site (http://www.slackinc.com/general/iche/ichehome.htm). Submit to ICHE Editorial Offices, Vanderbilt University School of Medicine, A-1131 Medical Center North, Nashville, TN 37232-2637, USA. All submissions must be accompanied by copyright form(s) signed by all authors (see January issue or our web site).

REPRINTS: All requests to reprint or use material published herein should be addressed to Jennifer McGovern, SLACK Incorporated, 6900 Grove Rd., Thorofare, NJ 08086. For reprint orders and prices, contact Jennifer McGovern at (609) 848-1000. Authorization to photocopy items for internal or personal use, or the internal or personal use of specific clients, is granted by SLACK Incorporated, provided that the base fee of \$1.00 per copy, plus \$.15 per page is paid directly to Copyright Clearance Center, 27 Congress St., Salem, MA 01970. This consent does not extend to other kinds of copying, such as for general distribution, resale, advertising and promotional purposes, or for creating new collective works.

CHANGE OF ADDRESS: Notice should be sent to the publisher 6 weeks in advance of effective date. Include old and new addresses with zip codes. The publisher cannot accept responsibility for undelivered copies. Periodicals postage paid at Thorofare, New Jersey 08086-9447 and at additional mailing offices. POSTMASTER: Send address changes to SIACK Incorporated, 6900 Grove Rd., Thorofare, NI 08086.

INFECTION CONTROL AND HOSPITAL EPIDEMIOLOGY is listed in Index Medicus, Current Contents-Clinical Practice, Hospital Literature Index, Cumulative Index to Nursing & Allied Health Literature, Nursing Abstracts, Laboratory Performance Information Exchange System, and RNdex Top 100.

Vol. 19 No. 8 August 1998

EDITORIAL OFFICES

Vanderbilt University School of Medicine A-1131 Medical Center North Nashville, TN 37232-2637 (615) 343-1095; (615) 343-1882 (FAX) Email: iche@mcmail.vanderbilt.edu

EDITOR

Michael D. Decker, MD, MPH

MANAGING EDITOR

Susan Cantrell

STATISTICAL EDITOR

George W. Reed, PhD

SENIOR ASSOCIATE EDITORS

C. Glen Mayhall, MD Gina Pugliese, RN, MS

William Schaffner, MD

ASSOCIATE EDITORS

Donald A. Goldmann, MD Didier Pittet, MD, MS

Andreas Widmer, MD, MS

SECTION EDITORS

Beyond Infection Control:

The New Hospital Epidemiology Bryan P. Simmons, MD

Stephen B. Kritchevsky, PhD

Memphis, Tennessee

Wing Hong Seto, MD

Hong Kong

Disinfection and Sterilization

William A. Rutala, PhD, MPH

Chapel Hill, North Carolina

Emerging Infectious Diseases

Larry J. Strausbaugh, MD

Portland, Oregon Robert W. Pinner, MD

Atlanta, Georgia

From the Laboratory

Marcus Zervos, MD

Royal Oak, Michigan

Fred C. Tenover, PhD Atlanta, Georgia

Information Management

John A. Sellick, DO

Buffalo, New York

The International Perspective

Mary D. Nettleman, MD, MS

Iowa City, Iowa

Issues in Surgery

James T. Lee, MD, PhD

Minneapolis, Minnesota

Medical News

Gina Pugliese, RN, MS

Chicago, Illinois

Martin S. Favero, PhD

Irvine, California

Practical Healthcare Epidemiology

Loreen A. Herwaldt, MD

Iowa City, Iowa

SHEA News

Murray D. Batt, MD

Reno, Nevada

Statistics for Hospital Epidemiology

David Birnbaum, PhD, MPH

Sidney, British Columbia, Canada

Topics in Long-Term Care

Philip W. Smith, MD

Omaha, Nebraska

Publisher

John C. Carter

Editorial Director

Production Editor

Jennifer Kilpatrick

Topics in Occupational Medicine

Vice President/Group Publisher Richard N. Roash

David Weber, MD, MPH

Chapel Hill, North Carolina

INFECTION CONTROL AND HOSPITAL EPIDEMIOLOGY®

EDITORIAL ADVISORY BOARD

Paris, France

Cincinnati, Ohio

Chicago, Illinois

Atlanta, Georgia

Creteil France

Ann Arbor, Michigan

Providence, Rhode Island

Columbia, South Carolina

Boston, Massachusetts

Charlottesville, Virginia Milwaukee, Wisconsin

Manhasset, New York

Farmington, Connecticut

Denver, Colorado

St. Louis, Missouri

Portland, Oregon

Beer Sheva, Israel

Nashville, Tennessee

Bethesda, Maryland

San Diego, California

Nashville, Tennessee

Nashville, Tennessee

Nashville, Tennessee

Brussels, Belgium

Bronx, New York

Atlanta, Georgia

Atlanta, Georgia

Brussels, Belgium

Buffalo, New York

San Antonio, Texas

Iowa City, Iowa

Houston, Texas

Vienna, Austria

Jerusalem, Israel

Trenton, New Jersey

Mexico City, Mexico

Madison, Wisconsin

New York, New York

Baltimore, Maryland

Barcelona, Spain

Chicago, Illinois

São Paulo, Brazil

Evanston, Illinois

Franklin, Tennessee

New York City, New York

Prahran Victoria, Australia

Minsk, Republic of Belarus

Greenville, South Carolina

Beijing, People's Republic of China

Greifswald, Federal Republic of Germany

Madison, Wisconsin

Toronto, Ontario, Canada

Montreal, Quebec, Canada

Pittsburgh, Pennsylvania

Minneapolis, Minnesota

Winnepeg, Manitoba, Canada Helsinki, Finland

Munich, Federal Republic of Germany

Atlanta, Georgia

Taipei, Taiwan

Charlottesville, Virginia

Los Angeles, California

Chapel Hill, North Carolina

Atlanta, Georgia

Shreveport, Louisiana

Birmingham, United Kingdom

Munich, Federal Republic of Germany

Freiburg, Federal Republic of Germany

Jacques F. Acar, MD J. Wesley Alexander, MD

Paul Arnow, MD

Graham A.J. Ayliffe, MD

Neil L. Barg, MD

Elizabeth Ann Bolyard, RN, MPH, CIC

John M. Boyce, MD Professor Dr. Ilja Braveny

Charles Bryan, MD

Christian Brun-Buisson, MD

Donald E. Craven, MD

Sue Crow, MSN, RN, CIC

Franz Daschner, MD

Leigh G. Donowitz, MD Charles E. Edmiston, Jr., PhD

Theodore C. Eickhoff, MD

Bruce Farber, MD

Victoria J. Fraser, MD

Peter C. Fuchs, MD, PhD

Richard A. Garibaldi, MD Velvl Greene, PhD, MPH

Robert Gaynes, MD

David W. Gregory, MD

David K. Henderson, MD

Peter N.R. Heseltine, MD Karen Hoffmann, RN, CIC, MS

Marguerite McMillan Jackson, RN, PhD

Janine Jagger, MPH, PhD

William R. Jarvis, MD

Douglas S. Kernodle, MD Robert H. Latham, MD

Lewis B. Lefkowitz, MD Hsieh-Shong Leu, MD, MSc

Jack Levy, MD

Victor Lorian, MD

Dennis G. Maki, MD Professor Dr. Walter Marget

William J. Martone, MD

Allison McGeer, MD

John E. McGowan, Jr., MD Jonathan L. Meakins, MD, DSc

Raf Mertens, MD

Robert R. Muder, MD

Joseph M. Mylotte, MD, CIC

Lindsay Nicolle, MD Juhani Ojajärvi, MD

Michael T. Osterholm, PhD, MPH

Jan Evans Patterson, MD

Sindy M. Paul, MD Michael A. Pfaller, MD

Samuel Ponce de Leon, MD, MSc

Isaam Raad, MD

Manfred L. Rotter, MD, DipBact Theodore Sacks, MD

William E. Scheckler, MD

Kent Sepkowitz, MD

Denis Spelman, MD

Michael L. Tapper, MD Clyde Thornsberry, PhD

Professor Leonid P. Titov

Timothy R. Townsend, MD

Antoni Trilla, MD, PhD

Professor Wang Shu-Qun

J. John Weems, Jr., MD

Robert A. Weinstein, MD

Professor Dr. W. Weuffen

Sergio B. Wey, MD

Rebecca Wurtz, MD

SLACK Incorporated 6900 Grove Road Thorofare, New Jersey 08086 (609) 848-1000

Assistant Editor

Tony Manero Circulation Manager

Lester J. Robeson, CCCP **Production Director**

Christine Malin

Production Coordinator

Publishing Director/ Advertising Wayne McCourt

Pharmaceutical Group Sales Director Michael LoPresti

Advertising Sales Representative Jennine Kane

Classified/Recruitment Sales Manager

Kathy Huntley

https://doi.org/10. 017/S0195941700088317 Published online by Cambridge University Press