VOLUME 19, NUMBER 4 APRIL 1998

An Official Journal of The Society for Healthcare Epidemiology of America

PUBLISHED FOR THE SOCIETY BY SLACK INCORPORATED

INFECTION CONTROL AND HOSPITAL EPIDEMIOLOGY™

EDITORIAL

Surgical-Site Infections After Coronary Artery Bypass Graft Surgery: Discriminating Site-Specific Risk Factors to Improve Prevention Efforts
MARIE-CLAUDE ROY, MD, MSc 229

ORIGINAL ARTICLES

Comparison of Vancomycin and Cefuroxime for Infection Prophylaxis in Coronary Artery Bypass Surgery
SAILARITTA VUORISALO, MD, PHD, MA; RISTO POKELA, MD, PHD; HANNU SYRJÄLÄ, MD, PHD 234

Risk Features for Surgical-Site Infections in Coronary Artery Bypass Surgery
SAILARITTA VUORISALO, MD, PHD, MA; KARI HAUKIPURO, MD, PHD; RISTO POKELA, MD, PHD; HANNU SYRJÄLÄ, MD, PHD 240

Vancomycin Control Measures at a Tertiary-Care Hospital: Impact of Interventions on Volume and Patterns of Use
MARY V. SINGER, MD, PHD; RACHEL HAFT, MD; TAMAR BARLAM, MD; MARK ARONSON, MD; AMY SHAFER, PHARMD; KENNETH E. SANDS, MD, MPH 248

Total and Attributable Costs of Surgical-Wound Infections at a Canadian Tertiary-Care Center
DICK ZOUTMAN, MD; SHIRLEY MCDONALD, ART, CIC; DILINI VETHANAYAGAN, MD 254

CONCISE COMMUNICATIONS

Comparing Nosocomial Infection Rates Among Surgical Intensive-Care Units: The Importance of Separating Cardiothoracic and General Surgery Intensive-Care Units
OLIVIA KEITA-PERSE, MD; JONATHAN R. EDWARDS, MS; DAVID H. CULVER, PHD; ROBERT P. GAYNES, MD 260

Disinfection of Hospital Rooms Contaminated With Vancomycin-Resistant *Enterococcus faecium*
KARIN E. BYERS, MD, MS; LISA J. DURBIN, BS, MT (ASCP); BARBARA M. SIMONTON, CLT (HEW); ANNE M. ANGLIM, MD, MS; KARIM A. ADAL, MD, MS; BARRY M. FARR, MD, MSc 261

STATISTICS FOR HOSPITAL EPIDEMIOLOGY

Statistical Quality Control Methods in Infection Control and Hospital Epidemiology, Part II: Chart Use, Statistical Properties, and Research Issues
JAMES C. BENNEYAN, PHD 265

Continued inside.

https://doi.org/10.1086/647799 Published online by Cambridge University Press

Vol. 19 No. 4 April 1998

INFECTION CONTROL AND HOSPITAL EPIDEMIOLOGY™

CONTENTS

Continued from cover

CALENDAR 247

MEDICAL NEWS
GINA PUGLIESE, RN, MS; MARTIN S. FAVERO, PHD

Gerberding New Director of CDC's Hospital Infections Program 259
CDC's Epidemic Intelligence Service Portrayed in New Book 264
Nosocomial Transmission of *Mycobacterium bovis* 283
Progress of US Hospitals in Implementing TB Control Programs 284
Free Videotape of Satellite Conference on VRE 284
Postdischarge Surgical-Site Surveillance 284
Shielded Pulmonary Artery Catheter Reduces Infection Risk 284
Infectious Complications Associated wtih Histamine$_2$-Receptor Antagonists 285
Dialysis-Associated Diseases in the United States 285
Surveillance of Unexplained Illness and Death 285

SHEA NEWS
MURRAY D. BATT, MD 288

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 six 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 SLACK Incorporated, 6900 Grove Rd., Thorofare, NJ 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.

https://doi.org/10.1086/647799 Published online by Cambridge University Press

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
Beverly G. Mellen, 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
Richmond, Virginia
Issues in Surgery
James T. Lee, MD, PhD
St. Paul, 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
Clarksburg, West Virginia
Statistics for Hospital Epidemiology
David Birnbaum, PhD, MPH
Sidney, British Columbia, Canada
Topics in Long-Term Care
Philip W. Smith, MD
Omaha, Nebraska
Topics in Occupational Medicine
David Weber, MD, MPH
Chapel Hill, North Carolina

INFECTION CONTROL AND HOSPITAL EPIDEMIOLOGY®

EDITORIAL ADVISORY BOARD

Jacques F. Acar, MD	Paris, France
J. Wesley Alexander, MD	Cincinnati, Ohio
Paul Arnow, MD	Chicago, Illinois
Graham A.J. Ayliffe, MD	Birmingham, United Kingdom
Neil L. Barg, MD	Yakima, Washington
Elizabeth Ann Bolyard, RN, MPH, CIC	Atlanta, Georgia
John M. Boyce, MD	Providence, Rhode Island
Professor Dr. Ilja Braveny	Munich, Federal Republic of Germany
Charles Bryan, MD	Columbia, South Carolina
Christian Brun-Buisson, MD	Creteil, France
Donald E. Craven, MD	Boston, Massachusetts
Sue Crow, MSN, RN, CIC	Shreveport, Louisiana
Franz Daschner, MD	Freiburg, Federal Republic of Germany
Leigh G. Donowitz, MD	Charlottesville, Virginia
Charles E. Edmiston, Jr., PhD	Milwaukee, Wisconsin
Theodore C. Eickhoff, MD	Denver, Colorado
Bruce Farber, MD	Manhasset, New York
Victoria J. Fraser, MD	St. Louis, Missouri
Peter C. Fuchs, MD, PhD	Black Butte, Oregon
Richard A. Garibaldi, MD	Farmington, Connecticut
Velvl Greene, PhD, MPH	Beer Sheva, Israel
Robert Gaynes, MD	Atlanta, Georgia
David W. Gregory, MD	Nashville, Tennessee
David K. Henderson, MD	Bethesda, Maryland
Peter N.R. Heseltine, MD	Los Angeles, California
Karen Hoffmann, RN, CIC, MS	Chapel Hill, North Carolina
Marguerite McMillan Jackson, RN, PhD	San Diego, California
Janine Jagger, MPH, PhD	Charlottesville, Virginia
William R. Jarvis, MD	Atlanta, Georgia
Douglas S. Kernodle, MD	Nashville, Tennessee
Robert H. Latham, MD	Nashville, Tennessee
Lewis B. Lefkowitz, MD	Nashville, Tennessee
Hsieh-Shong Leu, MD, MSc	Taipei, Taiwan
Jack Levy, MD	Brussels, Belgium
Victor Lorian, MD	Bronx, New York
Dennis G. Maki, MD	Madison, Wisconsin
Professor Dr. Walter Marget	Munich, Federal Republic of Germany
William J. Martone, MD	Bethesda, Maryland
Allison McGeer, MD	Toronto, Ontario, Canada
John E. McGowan, Jr., MD	Atlanta, Georgia
Jonathan L. Meakins, MD, DSc	Montreal, Quebec, Canada
Raf Mertens, MD	Brussels, Belgium
Robert R. Muder, MD	Pittsburgh, Pennsylvania
Joseph M. Mylotte, MD, CIC	Buffalo, New York
Lindsay Nicolle, MD	Winnepeg, Manitoba, Canada
Juhani Ojajärvi, MD	Helsinki, Finland
Michael T. Osterholm, PhD, MPH	Minneapolis, Minnesota
Jan Evans Patterson, MD	San Antonio, Texas
Sindy M. Paul, MD	Trenton, New Jersey
Michael A. Pfaller, MD	Iowa City, Iowa
Samuel Ponce de Leon, MD, MSc	Mexico City, Mexico
Isaam Raad, MD	Houston, Texas
Manfred L. Rotter, MD, DipBact	Vienna, Austria
Theodore Sacks, MD	Jerusalem, Israel
William E. Scheckler, MD	Madison, Wisconsin
Kent Sepkowitz, MD	New York City, New York
Denis Spelman, MD	Prahran Victoria, Australia
Michael L. Tapper, MD	New York, New York
Clyde Thornsberry, PhD	Brentwood, Tennessee
Professor Leonid P. Titov	Minsk, Republic of Belarus
Timothy R. Townsend, MD	Millwood, Virginia
Antoni Trilla, MD, PhD	Barcelona, Spain
Professor Wang Shu-Qun	Beijing, People's Republic of China
J. John Weems, Jr., MD	Greenville, South Carolina
Robert A. Weinstein, MD	Chicago, Illinois
Professor Dr. W. Weuffen	Greifswald, Federal Republic of Germany
Sergio B. Wey, MD	São Paulo, Brazil
Rebecca Wurtz, MD	Evanston, Illinois

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

Vice President/Group Publisher
Richard N. Roash

Publisher
John C. Carter

Editorial Director
Jennifer Kilpatrick

Production Editor
Shirley P. Strunk, ELS

Assistant Editor
Eileen C. Anderer

Circulation Manager
Lester J. Robeson, CCCP

Production Director
Christine Malin

Production Coordinator
Joanne Patterson

Publishing Director/ Advertising
Wayne McCourt

Pharmaceutical Group Sales Director
Michael LoPresti

Advertising Sales Representative
Jennine Kane

Classified/Recruitment Sales Manager
Michele Burch

https://doi.org/10.1086/647799 Published online by Cambridge University Press



CIPI

5th International Conference on the Prevention of Infection

Nice - France - May 6-7, 1998

For further information, please contact: CIPI General Secretariat -
EXPAND CONNEXION, 53, rue de Paris, 92100 Boulogne-Billancourt (France)
Tel: 33 (0) 1 48 25 80 61, Fax: 33 (0) 1 46 05 66 03
E-mail: conference@expand-connexion.com
Internet home page <http://cmu.unige.ch/www/cipi>

Official Partners: CDC, Centers for Disease Control and Prevention - ESBJI, European Society of 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 - SFAR, Société Française d'Anesthésie-Réanimation - SFHH, Société Française d'Hygiène Hospitalière - SIS, Surgical Infection Society - SRLF, Société de Réanimation de Langue Française - TIRESIAS Group

https://doi.org/10.1086/647799 Published online by Cambridge University Press