

INFECTION CONTROL AND HOSPITAL EPIDEMIOLOGY[®]

EDITORIAL

- Once May Be Enough 577
RICHARD D. WILLIAMS, MD

ORIGINAL ARTICLES

- Single Preoperative Bladder Instillation of Povidone-Iodine for the Prevention of Postprostatectomy Bacteriuria and Wound Infection 579
SANTIAGO RICHTER, MD; OSCAR KOTLIROFF, MD, ISRAEL NISSENKORN, MD

- An Analysis of Blood and Body Fluid Exposures Sustained by House Officers, Medical Students, and Nursing Personnel on Acute-Care General Medical Wards: A Prospective Study 583
JENNIFER L. STOTKA MD; EDWARD S. WONG, MD; DENISE S. WILLIAMS, MT; C. GERI STUART, MT; SHELDON M. MARKOWITZ, MD

- Surveillance of Surgical Wound Infections Following Open Heart Surgery 591
JOHN A. SELICK, JR., DO; MARIE STELMACH, RN, CIC; JOSEPH M. MYLOTTE, MD

- Monitoring Universal Precautions: A New Assessment Tool 597
DOROTHY K. GAUTHIER, RN, PHD; JOAN G. TURNER, RN, DSN; LISA G. LANGLEY, RN, MSN; CLAYTON J. NEIL, RN, MSN; PATRICIA L. RUSH, RN, MSN

TOPICS IN LONG-TERM CARE

- Noninfluenza Respiratory Virus Infection in Long-Term Care Facilities 602
ANN R. FALSEY, MD

REPORT FROM THE CDC

- Nosocomial Infection Rates for Interhospital Comparison: Limitations and Possible Solutions 609
NATIONAL NOSOCOMIAL INFECTIONS SURVEILLANCE SYSTEM

STATISTICS FOR HOSPITAL EPIDEMIOLOGY

- Validation of New Tests 622
DAVID BIRNBAUM, MPH, SAMUEL B. SHEPS, MD, FRCP(C)

READERS' FORUM

- Management of the Healthcare Worker Infected With Human Immunodeficiency Virus: Lessons From Nosocomial Transmission of Hepatitis B Virus 625
DAVID J. WEBER, MD, MPH; KAREN K. HOFFMANN, RN, MS; WILLIAM A. RUTALA, PHD; MPH

LETTERS TO THE EDITOR

- Hepatitis Vaccination Among Physicians: A Decade Later 576
FARRIN A. MANIAN, MD, MPH

- SHEA NEWS 631

- MEDICAL NEWS 634

SOME PEOPLE TAKE DRUG ABUSE TO HEART.



Most cocaine users are so dedicated to the drug that what it does to their hearts never enters their minds. They don't realize that every time they use cocaine, they put themselves at risk for such potentially fatal cardiovascular complications as hypertensive crisis... myocarditis...myocardial infarction...ventricular tachycardia...ventricular fibrillation...even cardiac arrest.

Chances are, at least some of these people are your patients. And many of them may feel more comfort-

able telling a nurse what they can't—or won't—tell a doctor. That's why your role becomes critical in helping suspected drug abusers understand what illegal drug use does to their bodies.

As key members of the health care team, nurses *can* make a difference in helping to curb drug abuse, and in preventing some of its deadliest consequences. The next time you suspect a patient may be using cocaine—or *any*

illegal substance—have a heart-to-heart talk about the damage these drugs can do.

**A short talk
can go a long way.**

Partnership for a Drug-Free America

INFECTION CONTROL AND HOSPITAL EPIDEMIOLOGY

CONTENTS

EDITORIAL

- Once May Be Enough 577

RICHARD D. WILLIAMS, MD

ORIGINAL ARTICLES

- Single Preoperative Bladder Instillation of Povidone-Iodine for the Prevention of Postprostatectomy Bacteriuria and Wound Infection 579

SANTIAGO RICHTER, MD; OSCAR KOTLIROFF, MD; ISRAEL NISSENKORN, MD

- An Analysis of Blood and Body Fluid Exposures Sustained by House Officers, Medical Students, and Nursing Personnel on Acute-Care General Medical Wards: A Prospective Study 583

JENNIFER L. STOTKA, MD; EDWARD S. WONG, MD; DENISE S. WILLIAMS, MT, C. GERI STUART, MT; SHELDON M. MARKOWITZ, MD

- Surveillance of Surgical Wound Infections Following Open Heart Surgery 591

JOHN A. SELICK, JR., DO; MARIE STELMACH, RN, CIC; JOSEPH M. MYLOTTE, MD

- Monitoring Universal Precautions: A New Assessment Tool 597

DOROTHY K. GAUTHIER, RN, PHD; JOAN G. TURNER, RN, DSN;

LISA G. LANGLEY, RN, MSN; CLAYTON J. NEIL, RN, MSN; PATRICIA L. RUSH, RN, MSN

TOPICS IN LONG-TERM CARE

- Noninfluenza Respiratory Virus Infection in Long-Term Care Facilities 602

ANN R. FALSEY, MD

REPORT FROM THE CDC

- Nosocomial Infection Rates for Interhospital Comparison: Limitations and Possible Solutions 609

NATIONAL NOSOCOMIAL INFECTIONS SURVEILLANCE SYSTEM

STATISTICS FOR HOSPITAL EPIDEMIOLOGY

- Validation of New Tests 622

DAVID BIRNBAUM, MPH; SAMUEL B. SHEPS, MD, FRCP(C)

READERS' FORUM

- Management of the Healthcare Worker Infected With Human Immunodeficiency Virus: Lessons From Nosocomial Transmission of Hepatitis B Virus 625

DAVID J. WEBER, MD, MPH; KAREN K. HOFFMANN, RN, MS;

WILLIAM A. RUTALA, PHD; MPH

DEPARTMENTS

- Letters to the Editor 576

- SHEA News 631

- Medical News 634

- Classified Marketplace Cover 3

THE PUBLICATION OF ADVERTISING IN THE JOURNAL DOES NOT CONSTITUTE ANY GUARANTEE OR ENDORSEMENT BY THE SOCIETY FOR HOSPITAL 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) is published exclusively by SLACK Incorporated 12 times a year. Address: 6900 Grove Rd., Thorofare, NJ 08086. Telephone: (609) 848-1000.

COPYRIGHT 1991 by The Society for Hospital Epidemiology of America, Inc. and SLACK Incorporated. All rights reserved. No part of this publication may be reproduced without written permission from the publisher.

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—\$70.00; Two years—\$105.00; Three years—\$135.00; Institutional: One year—\$80.00; Two years—\$120.00; Three years—\$160.00. Fellows: \$35 per year. Canada: \$18.00 additional each year; all other countries: \$36.00 additional each year. Single copies of current issues may be obtained for \$8.00, United States and possessions: \$16.00 all other countries.

REPRINTS: All requests to reprint or use material published herein should be addressed to Lester J. Robeson, SLACK Incorporated, 6900 Grove Rd., Thorofare, NJ 08086. For reprint orders and prices, contact Lester T. Robeson 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. Second-class postage is paid at Thorofare New Jersey 08086, and additional entry points. **POSTMASTER:** Send address changes to SLACK Incorporated, 6900 Grove Rd., Thorofare, NJ 08086.

As of Volume 1, Number 1, 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, and Laboratory Performance Information Exchange System.

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. Kritchewsky, 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	Winnipeg, Manitoba, Canada
Juhani Ojajarvi, 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

SPORICIDIN® MONITOR TEST KIT



PROOF FOR EFFECTIVE CONCENTRATIONS

The Sporicidin Monitor Test Kit is a color indicator which is used to determine effective concentrations of 1:8 and 1:16 dilutions of Sporicidin Cold Sterilizing Solution.

To order, or for additional information,
call: (800) 424-3733



Sporicidin International, 12000 Old Georgetown Road, Rockville, MD 20852 • (301) 231-7700 • FAX (301) 231-8165