VOLUME 12, NUMBER 9 SEPTEMBER 1991

An Official Journal of The Society for Healthcare Epidemiology of America

INFECTION CONTROL AND HOSPITAL EPIDEMIOLOGY™

EDITORIAL

Candida Species: Emerging Hospital Bloodstream Pathogens 523
RICHARD F. WENZEL, MD, MSc; MICHAEL A. PFALLER, MD

ORIGINAL ARTICLES

Infections and Antibiotic Use in a Community Hospital, 1971-1990 525
THOMAS S. HUTH, MD; JOHN P. BURKE, MD

Microbial Growth and Endotoxin Production in the Intravenous Anesthetic Propofol 535
MATTHEW J. ARDUINO, MS, DRPH; LEE A. BLAND, MA, MPH; SIGRID K. MCALLISTER, BS; SONIA M. AGUERO, BS; MARGARITA E. VILLARINO, MD, MPH; MICHAEL M. MCNEIL, MD, MPH; WILLIAM R. JARVIS, MD; MARTIN S. FAVERO, PHD

Migration to Rural Areas by HIV Patients: Impact on HIV-Related Healthcare Use 540
KRISTINE DAVIS, RN, MA; JACK STAPLETON, MD

BRIEF REPORT

Complications Associated With Central Venous Catheters Inserted in Critically ill Neonates 544
VICTORIA HRUSZKEWYCZ, BSN; PAUL C. HOLTROP, MD; DANIEL G. BATTON, MD; ROBERT S. MORDEN, MD; PETER GIBSON, MD; JEFFREY D. BAND, MD

CLINICAL PHARMACOLOGY OF ANTIBIOTICS

Ofloxacin 549
ALLAN R. TUNKEL, MD, PHD; W. MICHAEL SCHELD, MD

EMPORIATRICS

Cholera, Travel, and Infection Control 558
MARY D. NETTLEMAN, MD

SHEA NEWSLETTER 563

MEDICAL NEWS 566

LETTERS TO THE EDITOR

A Pseudo-outbreak in a Nursing Home 521
CHRISTIANE POULIN, MD, MSC; WALTER F. SCHLECH, III, MD, FACP, FRCPC

https://doi.org/10.1086/646400 Published online by Cambridge University Press

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 comfortable 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

https://doi.org/10.1086/646400 Published online by Cambridge University Press

Vol. 12 No. 9 September 1991

INFECTION CONTROL AND HOSPITAL EPIDEMIOLOGY

CONTENTS

EDITORIAL

Candida Species: Emerging Hospital Bloodstream Pathogens 523

RICHARD P. WENZEL, MD, MSc; MICHAEL A. PFALLER, MD

ORIGINAL ARTICLES

Infections and Antibiotic Use in a Community Hospital, 1971-1990 525

THOMAS S. HUTH, MD; JOHN P. BURKE, MD

Microbial Growth and Endotoxin Production in the Intravenous Anesthetic Propofol 535

MATTHEW J. ARDUINO, MS, DRPH; LEE A. BLAND, MA, MPH; SIGRID K. MCALLISTER, BS; SONIA M. AGUERO, BS; MARGARITA E. VILIARINO, MD, MPH; MICHAEL M. MCNEIL, MD, MPH; WILLIAM R. JARVIS, MD; MARTIN S. FAVERO, PHD

Migration to Rural Areas by HIV Patients: Impact on HIV-Related Healthcare Use 540

KRISTINE DAVIS, RN, MA, JACK STAPLETON, MD

BRIEF REPORT

Complications Associated With Central Venous Catheters Inserted in Critically Ill Neonates 544

VICTORIA HRUSZKEWYCZ, BSN; PAUL C. HOLTHROP, MD; DANIEL G. BATTON, MD; ROBERT S. MORDEN, MD; PETER GIBSON, MD; JEFFREY D. BAND, MD

CLINICAL PHARMACOLOGY OF ANTIBIOTICS

Ofloxacin 549

ALLAN R. TUNKEL, MD, PHD; W. MICHAEL SCHELD, MD

EMPORIATRICS

Cholera. Travel. and Infection Control 558

MARY D. NETTLEMAN, MD

DEPARTMENTS

Information for Authors 517

Copyright and Republication Policy 519

Letters to the Editor 521

SHEA Newsletter 563

Medical News 566

Book Reviews 569

Calendar of Events 571

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 and Allied Health Literature, and Nursing Abstracts.

https://doi.org/10.1086/646400 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/10.1086/646400 Published online by Cambridge University Press

SPORICIDIN® MONITOR TEST KIT



NEW

PROOF FOR EFFECTIVE CONCENTRATIONS

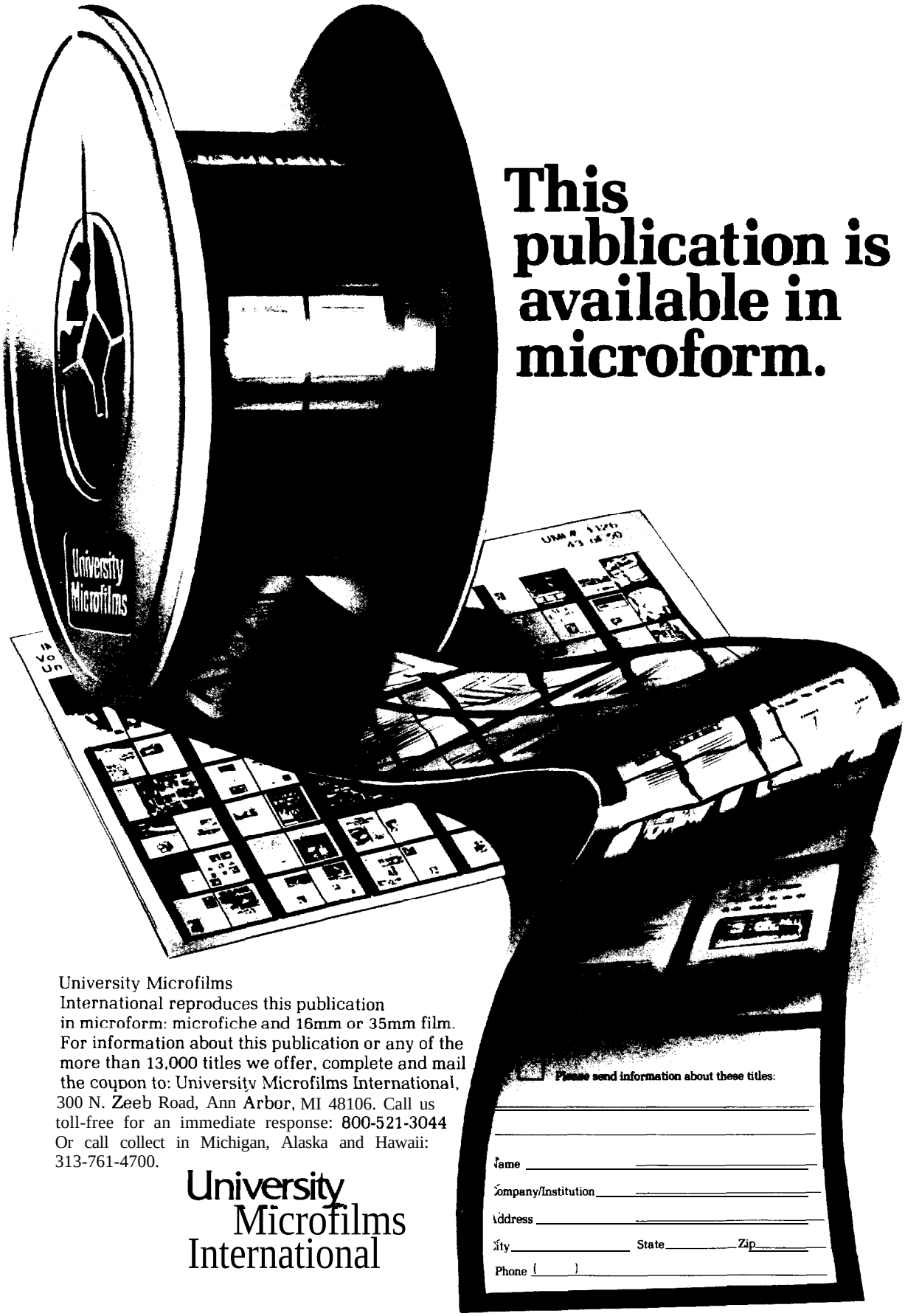
The Sporicidin Monitor Test Kit is a color indicator which is used to determine effective concentrations of 1:8 and 1: 16 dilutions of Sporicidin Cold Sterilizing Solution.

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

Sporicidin

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

https://doi.org/10.1086/646400 Published online by Cambridge University Press



This publication is available in microform.

University Microfilms International reproduces this publication in microform: microfiche and 16mm or 35mm film. For information about this publication or any of the more than 13,000 titles we offer, complete and mail the coupon to: University Microfilms International, 300 N. Zeeb Road, Ann Arbor, MI 48106. Call us toll-free for an immediate response: 800-521-3044 Or call collect in Michigan, Alaska and Hawaii: 313-761-4700.

University Microfilms International

Please send information about these titles:

Name

Company/Institution

Address

City State Zip

Phone ( )

https://doi.org/10.1086/646400 Published online by Cambridge University Press