INFECTION CONTROL

HOSPITAL EPIDEMIOLOGY

Volume 11, Number 1 • January 1990

| EDITORIAL | | TOPICS IN CLINICAL EPIDEMIOLOGY | |
|--|----|--|-------|
| The Use of Mupirocin in Controlling Methicillin-Resistant Staphylococcus aureus Harold C. Neu, MD ORIGINAL ARTICLES | 11 | Surveillance for Quality Assessment: II. Surveillance for Noninfectious Processes: Back to Basics Allison McGeer, MD; William Crede, MD; Walter J. Hierholzer, Jr., MD | 36 |
| | 40 | | |
| Staphylococcus aureus Nasal Colonization in a Nursing Home: Eradication With | 13 | TOPICS IN LONG-TERM CARE | |
| Mupirocin | | Tuberculosis in Long-Term Care Facilities | 42 |
| Jean E. Cederna, MD; Margaret S. Terpenning, MD; | | David W. Bentley, MD | |
| Mark Ensberg, MD; Suzanne F. Bradley, MD; | | READERS' FORUM | |
| Carol A. Kauffman, MD | | Hepatitis B Immunoprophylaxis: Developing | 47 |
| The Epidemiology of Cytomegalovirus | 17 | a Cost-Effective Program in the Hospital | • • • |
| Infection Among Patients with Burns James F. Bale, Jr., MD; G. Patrick Kealey, MD; | 17 | Setting Bruce P. Lanphear, MD, MPH | |
| R. Michael Massanari, MD; | | LETTERS TO THE EDITOR | |
| Ronald G. Strauss, MD | | Decontamination Alternative | 8 |
| Effectiveness of Simple Massures to Central | 23 | Janet K. Schultz, MSN, RN; | |
| Effectiveness of Simple Measures to Control an Outbreak of Nosocomial Methicillin- | 23 | Sue Crow, MSN, RN, CIC | |
| Resistant Staphylococcus aureus Infections | | Prophylaxis for Caesarean Section: Where | 9 |
| in an Intensive Care Unit | | to Turn | |
| M. Guiguet, MD; C. Rekacewicz, MD; | | Steven H. Dougherty, MD; | |
| B. Leclercq, MD; Y. Brun, MD; | | Vickie S. Williams, DO | |
| B. Escudier, MD; A. Andremont, MD | | | |
| Nosocomial Outbreak of Systemic | 27 | SHEA NEWSLETTER | 51 |
| Candidosis Associated With Parenteral | | | |
| Nutrition | | | |
| Maria Luisa Moro, MD; Claudio Maffei, MD; | | | |
| Esther Manso, MD; Giulia Morace, BS; | | | |

Luciano Polonelli, BS; Francesca Biavasco, BS

10 good reasons to warm up to a Cold Sterilant

- 1 Tuberculocidal in 10 minutes using the EPA quantitative method.
- 2 Proven effective against HIV (AIDS virus).
- (3) Pleasant lemon scent.
- 4) Gentle to use, lowest primary dermal irritation score (.34).
- **5** Two-year shelf life.
- 6 No activator required.
- No need to heat to 77°F, effective at room temperature.
- 8 Approved 1:4 dilution for an economical .5% high level disinfection.
- 9 Won't fog or corrode fiberscopes-safe to use. Contains a corrosion inhibitor.
- 10 Longest re-use life of all disinfectants.



WAVICIDE® 01
(2% GLUTARALDEHYDE)

Helping you turn the tide in infection control.



Wave Energy Systems, Inc. E.P.A. Establishment No. 15136-NJ1 218 Little Falls Road

Cedar Grove, N.J. 07009 800-252-I 125

11

INFECTION CONTROL

AND HOSPITAL EPIDEMIOLOGY

| EDITORIAL | Staphylococcus aureus Harold C. Neu, MD | | | | |
|----------------------|---|--|---------|--|--|
| ORIGINAL ARTICLES | Fradication With Municocin | | | | |
| | The Epidemiology of Cytome Patients with Burns James F. Bale, Jr., MD; G. Pa R. Michael Massanari, MD; R | atrick Kealey, MD; | 17 | | |
| | Nosocomial Methicillin-Resi Infections in an Intensive Ca | re Unit icz, MD; B. Leclercq, MD; Y. Brun, MD; | 23 | | |
| | Parenteral Nutrition Maria Luisa Moro, MD; Clau | dio Maffei, MD; Esther Manso, MD; Polonelli, BS; Francesca Biavasco, BS | 27 | | |
| SPECIAL SECTIONS | ogy essment: II. Surveillance for ek to Basics e Crede, MD; Walter J. Hierholzer, Jr., M | 36 D | | | |
| | Topics in Long-Term Care Tuberculosis in Long-Term C David W. Bentley, MD | Care Facilities | 42 | | |
| | Readers Forum Hepatitis B Immunoprophyle Program in the Hospital Set Bruce !? Lanphear, MD, MP | | 47 | | |
| DEPARTMENTS | Information for Authors | 7 SHEA Newsletter | 51 | | |
| | Letters to the Editor | 8 Classified Marketplace | Cover 3 | | |

The Use of Municocin in Controlling Methicillin-Resistant

The ideas and opinions expressed by contributing authors do not necessarily reflect those of the editors or publisher.

Publisher: Infection Control and Hospital Epidemiology (ISSN-0899-823X) is published monthly by SLACK Incorporated, 6900 Grove Road, Thorofare, New Jersey 08086 Telephone (609) 848-1000

Copyright 1990: 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 US and possessions Individual One year \$60.00; Two years-595 00, Three years-5125.00 Institutional One year-570.00, Two years—\$110 00; Three years-5150 00. Canada-\$18 00 additional each year, all other countries: \$30 00 additional each year Single copes of current issues may be obtained for \$8.00, United States and possessions 516 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 Road, Thorofare. NJ 08086 For reprint orders and prices, contact Joanne Patterson 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 5 15 per page is pad directly to Copyright Clearance Center, 27 Congress Street, 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 Road. 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

MONOJECT..... BECAUSE YOUR

Needle stick injuries can transmit infectious diseases, including A.I.D.S., and in the U.S. alone, cost an estimated \$28.3 million annually for diagnosis and initial treatment.

1. Jel arreset IC. Needle stick injuries. An occupational health hazard for norses, AAOHN J 1987-35:119 123

2.3 shiman M. Cathers AF, Stamp Dr. Brief report. Needle punctures-- advancemation and incidence rate calculation. Infect Control 1985:6:35-3-

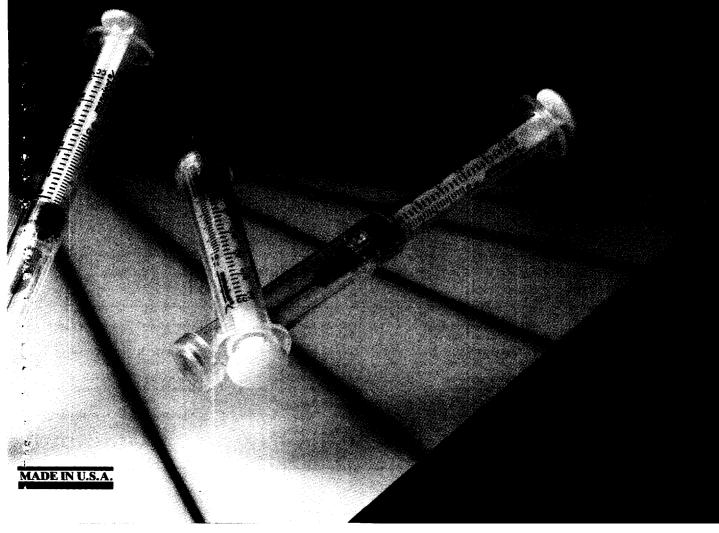
F, Ripher BS, et all: impact of a rigid -princture resistant container system upon needlestick injuries. Infect Control 1987,8:63-66



HEALTH IS TOO PRECIOUS TO RISK

Patented sliding Safety Shield and unique collar provide protection in transit...protection after use...protection whenever needed. Don't settle for less. Get maximum protection, plus all the Monoject features and benefits you know and trust.

To place orders contact your Sherwood representative. For technical information call 1-800-527-1073. (In Missouri 1-314-241-5700.)



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

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

Publisher

John C. Carter

Editorial Director Jennifer Kilpatrick

Production Editor

Shirley P. Strunk, ELS

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

Jacques F. Acar, MD

J. Wesley Alexander, MD

Cincinnati, Ohio

Paul Arnow, MD

Paris, France Chicago, Illinois

Graham A.J. Ayliffe, MD

Birmingham, United Kingdom Yakima, Washington

Neil L. Barg, MD Elizabeth Ann Bolyard, RN, MPH, CIC

Atlanta, Georgia

John M. Boyce, MD Professor Dr. Ilja Braveny

Providence, Rhode Island Munich, Federal Republic of Germany

St. Louis, Missouri

Beer Sheva, Israel

Atlanta, Georgia

Black Butte, Oregon

Nashville, Tennessee

Bethesda, Maryland

San Diego, California

Nashville, Tennessee

Nashville. Tennessee

Brussels, Belgium

Madison, Wisconsin

Bethesda, Maryland

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 City, New York

Prahran Victoria, Australia

New York, New York

Brentwood Tennessee Minsk, Republic of Belarus

Toronto, Ontario, Canada

Montreal, Quebec, Canada

Pittsburgh, Pennsylvania

Minneapolis, Minnesota

Winnepeg, Manitoba, Canada Helsinki, Finland

Munich, Federal Republic of Germany

Bronx, New York

Atlanta, Georgia Nashville, Tennessee

Taipei, Taiwan

Charlottesville, Virginia

Farmington, Connecticut

Los Angeles, California Chapel Hill, North Carolina

Charles Bryan, MD

Columbia, South Carolina

Christian Brun-Buisson, MD

Creteil, France

Donald E. Craven, MD

Boston, Massachusetts Shreveport, Louisiana

Sue Crow, MSN, RN, CIC Franz Daschner, MD

Freiburg, Federal Republic of Germany Charlottesville, Virginia

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

Milwaukee, Wisconsin

Denver, Colorado

Manhasset, New York

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

Barcelona, Spain Beijing, People's Republic of China Greenville, South Carolina

Millwood, Virginia

Chicago, Illinois Greifswald, Federal Republic of Germany

São Paulo, Brazil

Evanston Illinois

Rebecca Wurtz, MD

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

Assistant Editor Eileen C. Anderer

Circulation Manager Lester J. Robeson, ČCCP

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

Downloaded from https://www.cambridge.org/core. 23 Dec 2025 at 13:19:17, subject to the Cambridge Core terms of use.

Sporicidin[®] Requires No Heat

Compare for 100% TUBERCULOCIDAL ACTIVITY

| | Temperature | Immersion Time | Dilution | Reuse Life |
|---|---|----------------|---------------|------------|
| Sporicidin [®] (EPA Reg. No. 8383-5) | 68°F and above (True Room Temperature) | 10 Minutes | 1:16 | 30 Days |
| CIDEX® (EPA Reg. No. 7078-1) | 77°F Requires Heat | 45 Minutes | Full Strength | 14 Days |

100% Hospital Level Disinfection for instruments and equipment in the O.R. and respiratory therapy

Note: Because of confusion created in the marketplace, EPA issued this letter to reaffirm the label claims of Sporicidin.

Sporicidin is currently registered with EPA as a cold sterilizing solution and concentrated disinfectant, (for endoscopes, respiratory equipment, etc.), based on test results from EPA prescribed tests for such products... at this use dilution (1:16), the product is effective against bacteria, pathogenic fungi, tubercle bacillus and viruses (those specifically tested) in 10 minutes at 20°C/68°F and above."

EPA letter 11/22/88



12000 Old Georgetown Road • Rockville, MD 20852 For Information: 1-800-424-3733

"All Sporicidin disinfectant products kill HIV-1 (AIDS virus) on pre-cleaned environmental surfaces." (EPA accepted on 2/6/89)

25th Anniversary

XXV INTERNATIONAL GRADUATE SUMMER SESSION **EPIDEMIOLOGY** IN EPIDEMIOLOGY

Presented by the University of Michigan **School of Public Health**

(Formerly held at the University of Minnesota) July 8-27, 1990

THREE WEEK COURSES

- Introduction to Epidemiology for Health Practitioners
- Epidemiology I Fundamentals of Epidemiology
- Epidemiology II --- Design and Conduct of Epidemiologic Studies
- Epidemiology III Advanced Statistical Methods in the Analysis of Epidemiologic Studies (July 16-27)
- · Fundamentals of Biostatistics
- Microcomputer Applications in Epidemiologic
- Epidemiology, Control and Prevention: Infectious
- Epidemiology, Control and Prevention: Chronic
- Epidemiology and Health Policy
- Epidemiology of Injuries

ONE WEEK COURSES

- Basic Concepts of Clinical Epidemiology
- Clinical Trials Design and Conduct
- Clinical Trials Analytic Methods

- Sexually Transmitted Diseases
- Substance Abuse
- Environmental Exposure Assessment
- Environmental Epidemiology
- Occupational Epidemiology
- Pharmacoepidemlology

For application and Information contact:

Dr. David Schottenfeld, Professor and Chairman. Department of Epidemiology

Jody Gray, Administrative Coordinator

Graduate Summer Session in Epidemiology The University of Michigan

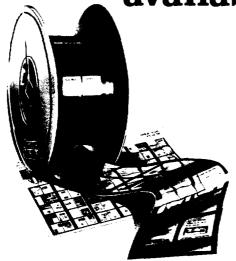
School of Public Health

109 Observatory Street Ann Arbor, MI **48109-2029** USA Telephone: (313) 764-5454

Distinguished faculty have been selected from Universities throughout the United States and Canada

The University of Michigan is a non-discriminatory affirmative action institution

This publication is available in microform.



University Microfilms International

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.

3 Please send information about these titles:

Company/Institution ____

___ Zip__ State

Phone (