

INFECTION CONTROL AND HOSPITAL EPIDEMIOLOGY[®]

EDITORIAL

What's Lurking Under the Bed? Persistence and Predominance of Particular *Clostridium difficile* Strains in a Hospital and the Potential Role of Environmental Contamination

LYNNE V. MCFARLAND, PhD

639

ORIGINAL ARTICLES

Difference in the Incidence of *Clostridium difficile* Among Patients Infected With Human Immunodeficiency Virus Admitted to a Public Hospital and a Private Hospital

JOSEPH J. PULVIRENTI, MD; DALE N. GERDING, MD; CATHERINE NATHAN, MS; IRFAN HAFIZ, MD; TARUN MEHRA, MD; DAYLE MARSH, BSMT(ASCP); FRANK KOCKA, PhD; THOMAS RICE, PhD; STACI A. FISCHER, MD; JOHN SEGRETI, MD; ROBERT A. WEINSTEIN, MD

641

Predominance of a Single Restriction Endonuclease Analysis Group With Intrahospital Subgroup Diversity Among *Clostridium difficile* Isolates at Two Chicago Hospitals

ENDALE T. MEKONEN, MD; DALE N. GERDING, MD; SUSAN P. SAMBOL, BS; JEAN M. POTTINGER, MA, RN; JOSEPH J. PULVIRENTI, MD; DAYLE MARSH, BS, MT; FRANK E. KOCKA, PhD; STUART JOHNSON, MD

648

Underlying Disease Severity as a Major Risk Factor for Nosocomial *Clostridium difficile* Diarrhea

LORRAINE KYNE, MB, MPH; STAVROS SOUGIOLTZIS, MD; LYNNE V. MCFARLAND, PhD; CIARÁN P. KELLY, MD

653

The Role of *Clostridium difficile* and Viruses as Causes of Nosocomial Diarrhea in Children

JOANNE M. LANGLEY, MD, MSc; JOHN C. LEBLANC, MD, MSc; MARTHA HANAKOWSKI, RN, BScN, CIC; OLGA GOLOUBEVA, PhD

660

An Outbreak of Diarrhea in a Neonatal Medium Care Unit Caused by a Novel Strain of Rotavirus: Investigation Using Both Epidemiologic and Microbiological Methods

MARC-ALAIN WIDDOWSON, VETMB, MSc; GERARD J.J. VAN DOORNUM, MD, PhD; WIM H.M. VAN DER POEL, DVM, PhD; ANNETTE S. DE BOER, MSc; REINA VAN DE HEIDE, BSc; ULRIKE MAHDI, MD; PAUL HAANEN, BSc; JACOB L. KOOL, MD, PhD; MARION KOOPMANS, DVM, PhD

665

An Outbreak of *Salmonella* Serotype Saintpaul in a Children's Hospital

RENA BORNEMANN, MD; DANIELLE M. ZERR, MD, MPH; JOAN HEATH, RN, BSN, CIC; JANE KOEHLER, DVM, MPH; MARCUS GRANDJEAN, BS; RAVI PALLIPAMU, BS; JEFF DUCHIN, MD

671

Epidemiology of Methicillin-Susceptible *Staphylococcus aureus* in the Neonatal Intensive Care Unit

PHILIP L. GRAHAM, III, MD; ANNE-SOPHIE MOREL, MD; JUYAN ZHOU, MS, MPH; FANN WU, MD, PhD; PHYLLIS DELLA-LATTA, PhD, MS; DAVID RUBENSTEIN, MD; LISA SAIMAN, MD, MPH

677

Effectiveness of Pharmacy Policies Designed to Limit Inappropriate Vancomycin Use: A Population-Based Assessment

ANN R. THOMAS, MD, MPH; PAUL R. CIESLAK, MD; LARRY J. STRAUSBAUGH, MD; DAVID W. FLEMING, MD

683

Continued inside.

ACT to Improve Asepsis

ACTASEPT™

2% CHG CENTRAL LINE DRESSING TRAY
& IV START KIT

"Reports spanning the past two decades have consistently demonstrated that risk for infection declines following standardization of aseptic care."

-CDC Guidelines for the Prevention of Intravascular Catheter Related Infections; August 2002



Standardization Kits & Trays
for Site Prepping

- Contains a 2% chlorhexidine-based solution preferred by the CDC for catheter and venipuncture site preparation
- Promotes standardization of aseptic care which has been documented to reduce the risk of infection

**This kit contains Chloraprep®
2% CHG prepping solution**

M Medical Action Industries Inc.
Arden, N.C. 1-800-645-7042

PEEL
HERE

"...Preparation of central venous and arterial sites with 2% aqueous chlorhexidine gluconate lowered BSI rates compared with site preparation with 10% povidone iodine or 70% alcohol."

-CDC Guidelines for the Prevention of Intravascular Catheter-Related Infections; August 2002

M Medical Action Industries Inc.

For product information Call Medical Action at 1-800-645-7042

INFECTION CONTROL AND HOSPITAL EPIDEMIOLOGY™

CONTENTS

Continued from cover

CONCISE COMMUNICATIONS

Nosocomial Infection Among Children With Symptomatic Human Immunodeficiency Virus Infection

ANA CRISTINA CISNE FROTA, MD; ROSANA MARIA RANGEL SANTOS, MD; THALITA FERNANDES ABREU, MD;
ENALDO GÓES SILVA, RN; CARMEM LÚCIA PESSOA-SILVA, MD

689

Chlorhexidine Resistance in Antibiotic-Resistant Bacteria Isolated From the Surfaces of Dispensers of Soap Containing Chlorhexidine

STEVEN E. BROOKS, PhD; MARY A. WALCZAK, RN, MS, CIC; RIZWANULLAH HAMEED, MD; PATRICK COONAN, EDD, RN

692

SHEA POSITION PAPER

Clostridium difficile in Long-Term-Care Facilities for the Elderly

ANDREW E. SIMOR, MD; SUZANNE F. BRADLEY, MD; LARRY J. STRAUSBAUGH, MD; KENT CROSSLEY, MD;
LINDSAY E. NICOLLE, MD; THE SHEA LONG-TERM-CARE COMMITTEE

696

LETTERS TO THE EDITOR

Ciprofloxacin and *Clostridium difficile*-Associated Diarrhea (with reply)

CLAUDIA THOMAS, BSc, PGDIPHLTHSCI; CLAYTON L. GOLLEDGE, BSc(MED), MBBS (HONS);
THOMAS V. RILEY, BAPPS, MAPP EPID, PHD; MARK LOEB, MD, MSc; CLARWYN YIP, MD

637

Transmissions From Infected Healthcare Providers to Patients Are Medical Errors

BERNADETTE STRINGER, PhD, RN

638

MEDICAL NEWS

GINA PUGLIESE, RN, MS; MARTIN S. FAVERO, PhD

704

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 Road, Thorofare, NJ 08086. Telephone: (856) 848-1000.

SHEA: 19 Mantua Rd., Mt. Royal, NJ 08061; telephone, 856-423-0087; fax, 856-423-3420; e-mail address, sheahq@talley.com.

COPYRIGHT 2002 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-\$109.00; Two years-\$169.00; Three years-\$229.00; Institutional: One year-\$154.00; Two years-\$229.00; Three years-\$294.00. Fellows: \$54.50 per year with proof of training status. Canada: add 7% Goods & Services tax; Overseas: add \$49.00 each year for delivery by air service. Single copies of current issues may be obtained for \$19.00.

INSTRUCTIONS TO AUTHORS: Authors may submit manuscripts prepared in accordance with the 2001 revision of the "Uniform Requirements for Manuscripts Submitted to Biomedical Journals." A digital version it available at www.icmje.org. Submit to ICHE Editorial Office, SLACK Incorporated, 6900 Grove Road, Thorofare, NJ 08086, 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 Karen Lambertson, SLACK Incorporated, 6900 Grove Road, Thorofare, NJ 08086. For reprint orders and prices, contact Karen Lambertson at (856) 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 \$2.00 per page is paid directly to Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923; phone (978) 750-8400. 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 SLACK Incorporated, 6900 Grove Road, 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.

EDITORIAL OFFICE

SLACK Incorporated
6900 Grove Road
Thorofare, NJ 08086
(856) 848-1000; (856) 848-6091 (FAX)
E-mail: iche@slackinc.com

EDITOR

Barry M. Farr, MD, MSc

DEPUTY EDITORS

David P. Calfee, MD, MS

William R. Jarvis, MD

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**

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

Infections in Immunocompromised Patients

Kent Sepkowitz, MD

New York City, New York

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

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 |
| Neil L. Barg, MD | Yakima, Washington |
| Manuel Bastanzuri, MD | Havana, Cuba |
| Elizabeth Ann Bolyard, RN, MPH, CIC | Atlanta, Georgia |
| John M. Boyce, MD | Providence, Rhode Island |
| Professor Dr. Ilja Braveny | Munich, Germany |
| Christian Brun-Buisson, MD | Creteil, France |
| Charles Bryan, MD | Columbia, South Carolina |
| Donald E. Craven, MD | Boston, Massachusetts |
| Sue Crow, MSN, RN, CIC | Shreveport, Louisiana |
| Franz Daschner, MD | Freiburg, 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 |
| Robert Gaynes, MD | Atlanta, Georgia |
| Velvi Greene, PhD, MPH | Beer Sheva, Israel |
| David W. Gregory, MD | Nashville, Tennessee |
| David K. Henderson, MD | Bethesda, Maryland |
| Peter N.R. Heselstine, 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 |
| 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 |
| 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 |
| Robert R. Muder, MD | Pittsburgh, Pennsylvania |
| Carlene A. Muto, MD, MS | 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 |
| Lisa Saiman, MD, MPH | New York, New York |
| William E. Scheckler, MD | Madison, Wisconsin |
| Andrew E. Simor, MD | Toronto, Ontario, Canada |
| 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, Germany |
| Sergio B. Wey, MD | São Paulo, Brazil |
| Rebecca Wurtz, MD | Evanston, Illinois |

SLACK Incorporated

6900 Grove Road
Thorofare, New Jersey 08086
(856) 848-1000

Executive Vice President

Richard N. Roash

Vice President, Publishing Operations

John C. Carter

Editorial Director

Jennifer Kilpatrick

Executive Editor

Shirley P. Strunk, ELS

Associate Editor

Eileen C. Anderer, ELS

Circulation Manager

Lester J. Robeson, CCCP

Production Director

Christine Malin

Production Coordinator

Joanne Patterson

Vice President, U.S. Advertising

Wayne McCourt

Pharmaceutical Group Sales Director

Robin Geller

Advertising Sales Representative

Michael Raftery

Advertising Sales Coordinator

Jennifer Kelley

Classified/Recruitment Sales Manager

Kelly Wark

Classified/Recruitment Sales Representative

Anabella O'Brien

Infection Control Supervisor

EMBARK ON AN ADVENTURE

Please refer to job posting #02-2124.JIC

Mayo Clinic is an affirmative action and equal opportunity educator and employer.

Mayo Clinic Rochester has a career opportunity available for an Infection Control Supervisor. This position is responsible for the management of the Mayo Clinic Rochester Infection Control Program through collaboration with physician epidemiologists and Infection Control Committees. The Infection Control Supervisor plans and directs all activities related to the infection control program including development of program goals and objectives, supervision of infection control staff, development of infection control standards of practice, and the assessment and evaluation of program resources.

Candidates must be a graduate of an accredited baccalaureate nursing program with a master's degree in nursing, public health, or health care management preferred. Current or recent experience in hospital infection control necessary with demonstrated expertise in epidemiologic principles. Demonstrated ability to collect, organize, analyze, and prioritize information from several sources for use in decision making along with demonstrated teaching skills in formal and informal settings. Candidate must have a current Minnesota RN license as well as an infection control certification or willingness to obtain this certification within two years.

As a leader in healthcare, Mayo Clinic offers an excellent salary and benefits package. **Please submit resume referencing job posting #02-2124.JIC to:**

Mayo Clinic Laura Samuel, Human Resources OE-4
200 1st Street SW | Rochester, MN 55905

Mayo Clinic uses optical scanning technology. Please use a 12 point font in your resume with minimal use of bullets, italics, underlining and bolding.

© 2002, Mayo Clinic

fax 507-266-3168 e-mail careers@mayo.edu

www.mayoclinic.org

Statement of Ownership, Management, and Circulation

(Required by 39 USC 3685)

1. Publication Title Infection Control and Hospital Epidemiology	2. Publication Number 0899-523X	3. Filing Date October 1, 2002
4. Issue Frequency Monthly	5. Number of Issues Published Annually 12	6. Annual Subscription Price \$109.00
7. Complete Mailing Address of Known Office of Publication (Not Printer) (Street, city, county, state, and ZIP+4) 6900 Grove Road Thorofere, Gloucester County, New Jersey 08066-9447		Contact Person Lester Robeson, CCCP Telephone (856) 848-1000 extension 245
8. Complete Mailing Address of Headquarters or General Business Office of Publisher (Not printer) Slack, Incorporated 6900 Grove Road Thorofere, New Jersey 08066-9447		
9. Full Names and Complete Mailing Addresses of Publisher, Editor, and Managing Editor (Do not leave blank)		
Publisher (Name and complete mailing address) Richard N. Rosash, Slack Incorporated, 6900 Grove Road Thorofere, New Jersey 08066-9447		
Editor (Name and complete mailing address) Barry M. Farr, MD, MSc Same as above		
Managing Editor (Name and complete mailing address) Shirley P. Strunk, ELS Same as above		
10. Owner (Do not leave blank. If the publication is owned by a corporation, give the name and address of the corporation immediately followed by the names and addresses of all stockholders owning or holding 1 percent or more of the total amount of stock. If not owned by a corporation, give the names and addresses of the individual owners. If owned by a partnership or other unincorporated firm, give its name and address as well as those of each individual owner. If the publication is published by a nonprofit organization, give its name and address.)		
Full Name PNS & WSS, Incorporated dba Slack, Incorporated	Complete Mailing Address 6900 Grove Road, Thorofere, New Jersey 08066-9447	
Full Name Peter N. Slack	Complete Mailing Address Same as Above	
Full Name W. Samuel Slack	Complete Mailing Address Same as Above	
11. Know Bondholders, Mortgagees, and Other Security Holders Owning or Holding 1 Percent or More of Total Amount of Bonds, Mortgages, or Other Securities. If none, check box <input checked="" type="checkbox"/> None		
Full Name	Complete Mailing Address	
12. Tax Status For completion by nonprofit organizations authorized to mail at special rates (Check one) The purpose, function, and nonprofit status of this organization and the exempt status for federal income tax purposes: <input type="checkbox"/> Has Not Changed During Preceding 12 Months <input type="checkbox"/> Has Changed During Preceding 12 Months (Publisher must submit explanation of change with this statement)		

Facsimile PS Form 3526, September 1995

(See Instructions on Reverse)

13. Publication Title Infection Control and Hospital Epidemiology	14. Issue Date for Circulation Data Below September 2002	
15. Extent and Nature of Circulation	Average No. Copies Each Issue During Preceding 12 Months	Actual No. Copies of Single Issue Published Nearest to Filing Date
a. Total Number of Copies (Net Print Run)	5,950	5,898
b. Paid and/or Requested Circulation (1) Sales Through Dealers and Carriers, Street Vendors, and Counter Sales (Not Mailed) (2) Paid or Requested Mail Subscriptions (include advertiser's proof copies and exchange copies)	0 4,744	0 4,629
c. Total Paid and/or Requested Circulation (Sum of 15b(1) and 15b(2))	4,744	4,629
d. Free Distribution by Mail (Samples, complimentary, and other free)	378	394
e. Free Distribution Outside the Mail (Carriers or other means)	190	363
f. Total Free Distribution (Sum of 15d and 15e)	568	757
g. Total Distribution (Sum of 15c and 15f)	5,312	5,386
h. Copies not Distributed (1) Office Use, Leftovers, Spoiled (2) Returns from News Agents	637 0	512 0
i. Total (Sum of 15g, 15h(1), and 15h(2))	5,950	5,898
Percent Paid and/or Requested Circulation (15c/15g x 100)	86%	86%
16. Publication Statement of Ownership <input checked="" type="checkbox"/> Publication required. Will be printed in the _____ November 2002 _____ issue of this publication. <input type="checkbox"/> Publication not required.		
17. Signature and Title of Editor, Publisher, Business Manager, or Owner Richard N. Rosash, Executive Vice President	Date October 1, 2002	
I certify that all information furnished on this form is true and complete. I understand that anyone who furnishes false or misleading information on this form or who omits material or information requested on the form may be subject to criminal sanctions (including fines and imprisonment) and/or civil sanctions (including multiple damages and civil penalties).		

We know children here.



Infection Control Practitioner

Children's Hospitals and Clinics is a special place of healing with the premier pediatric specialists in the region. We currently have a full-time day position available on our Minneapolis campus.

Duties: hospital acquired & communicable disease surveillance; analysis/reporting; presenting at multi-disciplinary infection control committee & carrying out recommendations; health care professional education across shifts; works closely with Infectious Disease clinicians, lab, Occupational Health & health departments; strong understanding of regulations regarding infection control & Occupational Health essential.

Requires: current MN RN license; certification in Infection Control (CIC required); minimum Bachelor's degree preferred; at least 2 years exp as an ICP required; 2+ years in pediatric nursing strongly preferred; excellent communication skills; proficient computer skills (Excel).

We offer you a challenging career, a competitive salary and a comprehensive benefits package. For consideration, please complete an application or fax your resume to LB at (612) 813-6223 or submit in mail to LB, Human Resources (reference req #9426):

Children's
HOSPITALS AND CLINICS

#32-H190
2525 Chicago Ave. S.
Minneapolis, MN 55404
www.childrenshc.org

Equal Opportunity Employer

Make a good impression...

Let **Infection Control and Hospital Epidemiology** highlight your article with professionally designed reprints!

Enhance your image and get more from the information you find in *Infection Control and Hospital Epidemiology* with article reprints. SLACK Incorporated offers attractive reprints on quality gloss paper in your choice of black and white or full color.*

The power of color can make your article reprint stand out and be noticed. Your reprints will be assembled into a bound booklet for that polished, professional look.

Make your impression with *Infection Control and Hospital Epidemiology* article reprints.

For a free quotation, call
Karen Lambertson at 1-800-257-8290
(In NJ, call 1-856-848-1000)
E-mail: klambertson@slackinc.com

*Available on a quotation basis only.
Minimum order is 100.

