

rd  
Decennial



International  
Conference on  
Nosocomial Infections

# Preventing Nosocomial Infections: Progress in the 80's; Plans for the 90's

July 31 -August 3, 1990

Hyatt Regency Hotel  
Atlanta, Georgia

## Preliminary Program

### Sponsored by

The Centers for Disease Control and  
The National Foundation for  
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### Program Schedule

#### Monday, July 30

3:00 P.M.-7:00 P.M. Registration and pick-up of conference folders  
7:00 P.M. Informal Social

#### Tuesday, July 31

7:00 A.M. Registration and pick-up of conference folders

#### Morning Session

**8:30 A.M. Opening Session**  
**Infection Control: Yesterday,  
Today and Tomorrow**

Moderators: W. Martone, J. Garner

9:00 A.M. A Historical Perspective: The  
Landmark Conference in 1970

T. Eickhoff; Denver, Colorado  
9:15 AM. A Historical Perspective: The Landmark Conference in 1980  
R. Dixon; Trenton, New Jersey  
9:30 AM. Contemporary Challenge for Infection Control: Sick Patients, DRGs, AIDS, Regulations and Decreased Resources  
D. Goldmann; Boston, Massachusetts

**State of the Art Lectures:  
The Epidemiology and Prevention  
of Major Nosocomial Infections**  
Moderators: J. Bennett, T. Eickhoff

10:30 AM. The Epidemiology and Prevention of Nosocomial Pneumonias  
D. Craven; Boston, Massachusetts  
11:15 AM. The Epidemiology and Prevention of Nosocomial Bloodstream Infections  
D. Maki; Madison, Wisconsin

**Afternoon Session**

**State of the Art Lectures:  
The Epidemiology and Prevention  
of Major Nosocomial Infections**  
Moderators: J. Bennett, T. Eickhoff

1:30 P.M. The Epidemiology and Prevention of Surgical Wound Infections  
R. Nichols; New Orleans, Louisiana  
2:15 P.M. The Epidemiology and Prevention of Nosocomial Urinary Tract Infections  
W. Stamm; Seattle, Washington

**Pathogens of Today and Tomorrow**  
Moderators: D. Schaberg, C. Thornsberry

3:30 P.M. Major Trends in Nosocomial Bacterial Pathogens  
D. Schaberg; Ann Arbor, Michigan  
3:45 P.M. Major Trends in Nosocomial Viral Pathogens  
L. Anderson; Atlanta, Georgia  
4:00 P.M. Major Trends in Nosocomial Fungal Pathogens  
W. Jarvis; Atlanta, Georgia  
4:15 P.M. Novel and Emerging Mechanisms of Antimicrobial Resistance  
F. Tenover; Seattle, Washington  
4:30 P.M. Can We do More to Control Methicillin-Resistant *Staphylococcus aureus*?  
R. Wenzel; Iowa City, Iowa  
4:45 P.M. Mechanisms and Implications of Vancomycin Resistance in Nosocomial Pathogens  
P. Courvalin; Paris, France

**Wednesday, August 1**

**Identifying Problems and  
Measuring Outcomes:  
Surveillance and Investigation**

**Morning Session  
Surveillance: Current and Future  
Methods, Current and Future Uses**  
Moderators: R. Holzman, J. Hughes

8:30 AM. Striving for Benchmark Nosocomial Infection Rates: Progress in Controlling for Patient Mix  
P. Gross; Hackensack, New Jersey

9:00 AM. Healthcare Data: The Epidemiologists' Sand  
W. Hierholzer; New Haven, Connecticut  
9:30 AM. The National Nosocomial Infections Surveillance System: Plans for the 90's and Beyond

R. Gaynes; Atlanta, Georgia  
10:30 AM. Measuring the Costs of Nosocomial Infections: Current State of the Art  
R.W. Haley; Dallas, Texas

10:45 AM. An Assessment of Selective Surveillance Methods for Detecting Hospital-Acquired Infection  
H. Glenister, L.J. Taylor, J.A. Sedgwick, C.L.R. Bartlett, E.M. Cooke, D.A. Leigh; London, United Kingdom

11:00 AM. Computerized Identification of Hospital-Acquired Infections and High-Risk Patients  
R.S. Evans, J.P. Burke, D.C. Classen, L.E. Stevens, K.M. Goodrich, S.L. Pestotnik; Salt Lake City, Utah

11:15 AM. Accuracy of Generic Quality Screen in Identifying Nosocomial Infection  
S. Pirwitz, J. Bryant; Cleveland, Ohio

11:30 AM. Automated Post-Discharge Surveillance for Postpartum and Neonatal Infections  
K.F. Holbrook, V. Finn Nottebart, S.R. Hameed, R. Platt; Boston, Massachusetts

11:45 AM. Focused Microbiological Surveillance by Specific Hospital Unit as a More Sensitive Means of Defining Bacterial Resistance Problems  
C.W. Stratton, W. Schaffner; Nashville, Tennessee

**12:00 P.M. Lunch and Poster Sessions 1-7**

**Afternoon Concurrent Sessions**

**A - Nosocomial Infection Outbreaks**  
Moderators: E.M. Cooke, O. Tablan

1:30 Nosocomial Outbreaks of International Importance  
W. Jarvis; Atlanta, Georgia

1:45 P.M. Recurrent Group A Streptococcal Carriage in a Healthcare Worker Resulting in Widely Separated Nosocomial Outbreaks

V. Finn Nottebart, A. Viglionese, H. Bodman, R. Platt; Boston, Massachusetts

2:00 P.M. Outbreak of Nosocomial Infections Due to  $\beta$ -Lactamase-Producing, Gentamicin-Resistant *Enterococcus faecalis*: A Case-Control Study  
V. Wells, E.S. Wong, P. Coudron, D. Williams, G. Stuart, S. Markowitz; Richmond, Virginia

2:15 P.M. *Serratia marcescens* Surgical Wound Infections Following Breast Reconstruction

D.A. Pegues, L.A. Shireley, C.F. Riddle, R. L. Anderson, R.W. Vess, B.C. Hill, W.R. Jarvis; Atlanta, Georgia and Bismarck, North Dakota

2:30 P.M. Nosocomial *Clostridium difficile* Diarrhea: Can Surveillance of Sporadic Cases Trigger Effective Control?

M.J. Struelens, A. Maas, C. Nonhoff, F. Rost, E. Serruys; Brussels, Belgium 2

2:45 P.M. Transmission of *Legionella*

Extrapulmonary Infections by Bathing With Contaminated Tap Water  
P.W. Lowry, R. Blankenship, W. Gridley, N. Troup, L.S. Tompkins; Stanford, California

**B - Applying Epidemiologic  
Techniques to Improve  
Quality of Care**

Moderators: E. Bolyard, R. Dixon

1:30 P.M. Applying Epidemiologic Techniques to Improve Quality of Care: The Role of Hospital Epidemiology  
R. Wenzel; Iowa City, Iowa

2:00 P.M. Applying the Industrial Model to Improve Quality of Hospital Care  
A. Burleson, Burlington, Massachusetts

2:30 P.M. An Epidemiologic Description of Infectious and Non-infectious Complications of Hospitalization  
R.W. Haley, P. Lynch, C. Mullin, B. Barnard; Dallas, Texas and Seattle, Washington

2:45 P.M. Pilot Study of Anesthesia Mortality and Morbidity  
D.N. Klaucke; Atlanta, Georgia

**Afternoon Concurrent Sessions**

**A - Applying Laboratory Techniques  
to Hospital Epidemiology**

Moderators: V. Lorian, J. McGowan

3:30 P.M. New Laboratory Techniques to Help the Hospital Epidemiologist  
J. McGowan; Atlanta, Georgia

4:00 P.M. Investigation of a Neonatal Intensive Care Unit *Staphylococcus aureus* Outbreak Using Chromosomal Restriction Enzyme Analysis (REA) and DNA-DNA Hybridization  
M. Louie, A.E. Simor, B.N. Kreiswirth, J. Ng, C. Goldman, K. Green, D.E. Low; Toronto, Canada and New York, New York

4:15 P.M. Genotyping Nosocomial MRSA Using Staphylococcal Variable Gene Probes  
B.N. Kreiswirth, D.E. Low; Toronto, Canada and New York, New York

4:30 P.M. Isoenzyme Analysis of *Pseudomonas cepacia* as an Epidemiological Tool

L.A. Carson, R.L. Anderson, A.L. Panlilio, C. Beck-Sague, J.M. Miller; Atlanta, Georgia

4:45 P.M. Electrophoretic Karyotype as a Powerful Epidemiologic Tool in Yeast Infections  
D. Pittet, M. Monod, I. Filthuth, E. Frenk, R. Auckenthaler; Geneva and Lausanne, Switzerland

**B - Nosocomial Infection  
Surveillance Using NNIS:  
Trends, Methods of Risk Adjustment  
and New Application**

Moderators: R. Gaynes, W. Hierholzer, E. Wong

3:30 P.M. Trends in Nosocomial Bloodstream Infections (BSI) in the United States, 1980-1989

S. Banerjee, G. Emori, D. Culver, R. Gaynes, The National Nosocomial Infections

Surveillance System (NNIS); Atlanta, Georgia

3:40 PM Temporal Trends in Septicemia in a Community Teaching Hospital  
W.E. Scheckler; Madison, Wisconsin

4:00 PM Nosocomial Infections Surveillance-Analysis of the NNIS Surveillance Components  
NNIS Staff; Atlanta, Georgia

4:30 PM Risk-Specific Nosocomial Infection Rates

A. Josephson, L. Karanfil, H. Alonso, A. Watson, J. Blight; Brooklyn, New York

4:45 PM Use of NNIS Data in JCAHO's Quality Indicators for Nosocomial Infection: Need for Risk Adjustment  
W. Hierholzer; New Haven, Connecticut

### **C • Investigation and Control of Methicillin-Resistant *Staphylococcus aureus* Infections**

Moderators: W. Martone, E.M. Cooke

3:30 PM Assigning Responsibility: Sustained Control of Endemic MRSA  
M.D. Nettleman; Iowa City, Iowa

3:45 PM Use of Computer Tracing of Roommate Exposure to End Transmission of Resistant Staphylococcal Infections From a Surgical Intensive Care Unit  
R.W. Haley, C.E. Haley, D. Dryer, J.P. Luby; Dallas, Texas

4:00 PM An MRSA Outbreak in an SICU During Universal Precautions (UPs): New Epidemiology for Nosocomial MRSA; Downside for UPs  
D.G. Maki, R.D. McCormick, M.A. Zilz, S.M. Stolz, C.J. Alvarado; Madison, Wisconsin

4:15 PM Re-emergence of Epidemic Methicillin-Resistant *Staphylococcus aureus* (MRSA) in a General Hospital Associated with Changing Staphylococcal Strains  
C.C. Linnemann, P. Moore, J. Staneck, M. Pfaller; Cincinnati, Ohio and Iowa City, Iowa

4:30 PM Control of MRSA: A Seven-Year Experience  
S.H. Cohen, M.M. Morita, M. Bradford; Sacramento, California

4:45 PM Ten Years' Experience with Methicillin-Resistant *Staphylococcus aureus* (MRSA)

J.L. Faoagali, M.L. Thong, D. Grant; Brisbane, Australia

## **Thursday, August 2 Interventions to Reduce Nosocomial Infections in High-Risk Patient Groups**

### **Morning Session Nosocomial Infections in Surgical Patients**

Moderators: R. Haley, R. Howard

8:30 AM Nosocomial Infections in Surgical Patients: The Need to Include Measures of Intrinsic Patient Risk  
R. Haley; Dallas, Texas

8:45 AM Surgical Wound Infection Rates by Wound Class, Operation and Risk Index in U.S. Hospitals, 1986-1990

D. Culver, T. Horan, R. Gaynes, The National Nosocomial Infections Surveillance System (NNIS); Atlanta, Georgia

9:00 AM Risk Factors for Postoperative Infection

R.A. Garibaldi, D.S. Cushing, T. Lerer; Farmington, Connecticut

9:15 AM Analysis of Risk Factors (RF) for Surgical Wound Infections (SWI) Following Vascular Surgery

H. Richet, C. Chidiac, A. Prat, L. Guyot, M. David, M. Maccario, W. Jarvis; Tourcoing, France and Atlanta, Georgia

9:30 AM Effectiveness of an Intervention Program in Reducing Postoperative Infections

D. Greco, M.L. Moro, A.E. Tozzi, G. De Giacomo, the Italian PRINOS Study Group; Rome, Italy

9:45 AM Necessity and Efficiency of Wound Surveillance After Discharge

J.A. Weigelt, D. Dryer, R.W. Haley; Dallas, Texas

### **Morning Session**

#### **Nosocomial Infections in Critically Ill Adult Patients**

Moderators: G. Counts, R. Weinstein

10:30 AM Nosocomial Infections in Critically Ill Adult ICU Patients

R. Weinstein, Chicago, Illinois

10:45 AM Nosocomial Infection Rates in Adult and Pediatric Intensive Care Units (ICU) in the United States 1986-1990  
J.R. Edwards, W. Jarvis, The National Nosocomial Infections Surveillance System (NNIS); Atlanta, Georgia

11:00 AM Critical Care Surveillance Plan at a University Trauma Center  
M. Bradford, S.H. Cohen; Sacramento, California

11:15 AM Risk Factors for Central Venous Catheter-Related Infection Within the ICU: A Prospective Study of 345 Catheters

D.G. Maki, L. Will; Madison, Wisconsin

11:30 AM Rate of Nosocomial Infections (NI) as a Function of HIV-1 Status in Hemophiliacs

D.J. Weber, P.R. Becherer, W.A. Rutala, G.P. Samsa, G.C. White; Chapel Hill, North Carolina

11:45 AM Nosocomial Infections in Patients With HIV Disease

B.F. Farber, J. Woltmann, D. Armellino, J. Filardi; Manhasset, New York

12:00 PM **Lunch and Poster Sessions 8-13**

### **Afternoon Concurrent Sessions**

#### **A • Nosocomial Infections in Neonates**

Moderators: D. Goldmann, W. Jarvis

1:30 PM Comparison of Rates of Nosocomial Infections (NI) in Neonatal Intensive Care Units (NICU) in the United States

R. Gaynes, W. Martone, D. Culver, The National Nosocomial Infections Surveillance System (NNIS); Atlanta, Georgia

1:45 PM Can Recurring Infection Problems from Periodic Understaffing in Neonatal Special Care Units Be Prevented by Topical Prophylaxis?

R.W. Haley, N. Cushion, J.D. Siegel; Dallas, Texas

2:00 PM Complications Associated With Central Venous Catheters (CVCs) Inserted in Critically Ill Neonates

V. Hruszkewycz, P. Holtrop, R. Morden, D. Batton, J. Band; Royal Oak, Michigan

2:15 PM An Outbreak of Candidemia Associated With Retrograde Medication Administration (RMA) in a Neonatal Intensive Care Unit (NICU)

R.J. Sherertz, K.D. Hampton, L.K. Gledhill, J.S. Abramson, L.B. Givner, R.G. Dillard; Winston-Salem, North Carolina

2:30 PM Transfusion-Acquired Hepatitis A Outbreak from Fresh Frozen Plasma in a Neonatal Intensive Care Unit  
L.R. Vargo, C.T. Le, K.K. Lee; Sacramento, California

2:45 PM *Salmonella infantis* Outbreak in Neonates in an Intermediate Care Nursery (ICN): A Preventable Problem  
C.A. Perlino, C.M. Parrish, P.M. Terry; Atlanta, Georgia

#### **B • Control of Nosocomial Infections in Regions With Limited Resources**

Moderators: H. Novaes, E. Tikhomirov

1:30 PM A Worldwide Perspective on Nosocomial Infections in Regions With Limited Resources

E. Tikhomirov; Geneva, Switzerland

1:45 PM Report on the Pan American Health Organization Regional Conference on Hospital Infection Control  
H. Novaes; Washington, D.C.

2:00 PM Surgical Wound Infection in Bandung, Indonesia as a Developing Country

M.A. Djojosingito; Bandung, Indonesia

2:15 PM Adaptation of CDC Guidelines for the Prevention of Nosocomial Infection in a Pediatric Intensive Care Unit in Jakarta, Indonesia

E. Rhinehart, J. L&Lair, D.A. Goldmann, E.J. O'Rourke; Boston, Massachusetts and Baltimore, Maryland

2:30 PM Nosocomial and Community-Acquired Bloodstream Infections

M.B. Souza Dias, C.M. Silva, V.L. Borasca, I.M. Mimica, R.P. Igreja, H. Sirio Libanes; Sao Paulo, Brazil

2:45 PM Economic Improvements Through Establishment of Prudent Infection Control Practices in a Brazilian General Hospital: 1986-1989

M.D.A. Cavalcante, C.H. Teofilo, E.N. Oliveira; Brasilia, Brazil

### **Afternoon Concurrent Sessions**

#### **A • Control of Infections Through Environmental Interventions**

Moderators: M. Favero, B. Nystrom

3:30 PM Report from the International Symposium on Chemical Germicides  
M. Favero; Atlanta, Georgia

3:45 PM New Technology for Sterilization and Disinfection

B. Nystrom; Stockholm, Sweden

4:00 PM Inactivation of *Mycobacterium tuberculosis* (Mtb) and *M. bovis* (Mb) by 13 Hospital Disinfectants  
W.A. Rutala, E.C. Cole, N. Wannamaker,

D.J. Weber; Chapel Hill, North Carolina  
4:15 P.M. Nosocomial Legionnaires Disease Controlled by UV Light and Low-Level Ag/Cu Ions  
R.L. Baker, J. Stevens, L. Fish, D. Crigger; Indianapolis, Indiana  
4:30 P.M. Septicemia After ERCP: Outbreak Linked to an Automatic Endoscope Disinfecting Machine  
M.J. Struelens, F. Rost, M. Lories, A. Maas, Z. Berjaoui, E. Serruys, M. Cremer; Brussels, Belgium  
4:45 P.M. Nosocomial *Pseudomonas aeruginosa* Infections From Contaminated Endoscopes  
C.J. Alvarado, S.M. Stolz, D.G. Maki; Madison, Wisconsin

### **B - Nosocomial Infections in the Elderly**

Moderators: B. Campbell, P. Smith

3:30 P.M. Overview of Nosocomial Infections in the Extended Care Facility  
P.W. Smith; Omaha, Nebraska  
3:45 P.M. Surveillance and Control of Infections in Long-Term Care: The Canadian Experience  
B. Campbell; Ottawa, Canada  
4:00 P.M. Nosocomial Infections (NI) in Elderly Patients in the United States  
G. Emori, S. Banerjee, D. Culver, R. Gaynes, The National Nosocomial Infections Surveillance System (NNIS); Atlanta, Georgia  
4:15 P.M. Risk Factors for Nosocomial Pneumonia in the Elderly  
G.A. Harkness, D.W. Bentley; Storrs, Connecticut and Rochester, New York  
4:30 P.M. Side Effects and the Use of Amantadine in the Elderly  
L.E. Chapman, T.R. Cote, M.M. Hebert, M.A. Tipple, D.M. Dwyer, L.B. Schonberger; Atlanta, Georgia and Baltimore, Maryland  
4:45 P.M. The Silent Sea of *C difficile* (Cd)  
D.N. Gerding, L.R. Peterson, S. Johnson; Minneapolis, Minnesota

### **C - Infections Associated With Intravascular Devices**

Moderators: D. Henderson, D. Maki

3:30 P.M. Infectious Complications of Home Intravenous Therapy Via Centrally or Peripherally Placed Central Catheters  
D.R. Graham, M.M. Keldermans, L.W. Klemm, N.J. Semenza, M.L. Shafer; Springfield, Illinois  
3:45 P.M. Marked Differences in Skin Colonization of Insertion Sites for Central Venous, Arterial and Peripheral IV Catheters. The Major Reason for Differing Risks of Catheter-Related Infection?  
D.G. Maki; Madison, Wisconsin  
4:00 P.M. Epidemiology of Infection with PA/Swan-Ganz Catheters: A Prospective Study  
L. Mermel, S. Stolz, D.G. Maki; Madison, Wisconsin  
4:15 P.M. Study of Long Duration Placement of Pressure Monitoring Systems  
M.K. O'Malley, J. Chen, S. Cameron, B.A.

Juni, A.J. Streifel, R.C. McComb, F.B. Cerra, D. Vesley, F.S. Rhame; Minneapolis, Minnesota  
4:30 P.M. The Value of Topical Povidone-Iodine (PV-I) Ointment in the Prevention of Hemodialysis-Related Sepsis  
A. Levin, A.J. Mason, K.K. Jindal, M.B. Goldstein, I.W. Fong; Toronto, Canada  
4:45 P.M. A Meta-Analysis of Transparent Polyurethane for Use as a Central Venous Catheter Dressing  
K.K. Hoffman, D.J. Weber, G.P. Samsa, W.A. Rutala; Chapel Hill, North Carolina

## **Friday, August 3**

### **Morning Session**

#### **Risk Reduction and Interventions for Bloodborne Pathogens**

Moderators: J. Curran, J. Gerberding

8:30 A.M. Risk Reduction and Interventions for Bloodborne Pathogens: What Do We Know and Where Do We Go?  
D. Bell; Atlanta, Georgia  
9:00 A.M. What's New on Gloves, Gowns and Other Protective Equipment for Healthcare Workers?  
T. Lowe; Bethesda, Maryland  
9:15 A.M. Chemoprophylaxis Following Occupational Exposure to HIV: Current Status  
D. Henderson; Bethesda, Maryland  
9:30 A.M. Does Knowledge of HIV Infection Decrease the Risk to Healthcare Providers Exposed to Blood?  
J. Gerberding; San Francisco, California  
9:45 A.M. Burden of Hepatitis B Virus Infection in Healthcare Workers: Need for Widespread Use of Hepatitis B Vaccine  
M.J. Alter, H.S. Margolis; Atlanta, Georgia  
10:00 A.M. Nosocomial Hepatitis C: A Sleeping Giant?  
M.J. Alter; Atlanta, Georgia  
10:15 A.M. Epidemiology of Hospital Sharps Injuries: A 14-Year Perspective in the Pre-AIDS and AIDS Eras  
R.D. McCormick, M. Meisch, R. Ircinik, D.G. Maki; Madison, Wisconsin

### **Morning Session**

#### **Protecting the Healthcare Worker: Old Problems, New Risks for Healthcare Workers**

Moderators: E. Pantelick, W. Williams

11:00 A.M. Hospital-Acquired Hepatitis A: New Insights on an Old Disease  
L.B. Polish, L.S. Rosenblum, M.J. Alter, H.S. Margolis; Atlanta, Georgia  
11:15 A.M. Transmission of Measles in Medical Settings-United States, 1985-1989  
W.L. Atkinson, L.E. Markowitz, N.C. Adams, G.R. Seastrom; Atlanta, Georgia  
11:30 A.M. Response to a Hospitalized Case of Measles at a Medical School Affiliated Hospital  
C.A. Perlino, C.M. Parrish; Atlanta, Georgia  
11:45 A.M. Brucellosis Among Hospital Employees  
F.W. Kiel, M.Y. Khan; Riyadh, Saudi Ara-

bia  
12:00 P.M. **Lunch and Poster Sessions 14-16**

### **Afternoon Plenary Session The Challenge of Prevention in the 90's and Beyond: The Need for Commitment and Partnership**

1:30 P.M. Year 2000 Objectives for Preventing Nosocomial Infections: How Do We Get There Together?  
W. Martone; Atlanta, Georgia  
1:40 P.M. JCAHO Infection Surveillance and Control Indicators  
D.M. Nadzam; Oakbrook Terrace, Illinois  
1:50 P.M. Development of Health Standard for Occupational Exposure to Bloodborne Pathogens  
S. Harwood, E. Grossman, K. Landkrohn, B. Sandler, C. Thurber; Washington, D.C.  
2:00 P.M. Reports from the Organizations: Current Approaches, Future Plans  
2:20 P.M. Round Table Discussion  
3:00 P.M. Closing Remarks and Adjournment

### **Poster Sessions**

**Session 1:** Surveillance and Risk Factors for Nosocomial Infections  
**Session 2:** Implementing Quality of Care Programs  
**Session 3:** Molecular Epidemiology of Nosocomial Pathogens  
**Session 4:** Outbreaks and Pseudo-Outbreaks Traced to Environmental Reservoirs  
**Session 5:** Miscellaneous Outbreaks and Pseudo-Outbreaks: A Continuing Problem  
**Session 6:** Problems with MRSA and Other Resistant Gram-Positive Cocci  
**Session 7:** Emerging Pathogens and Antimicrobial Resistance  
**Session 8:** Infections in Surgical Patients: Surveillance and Risk Factors  
**Session 9:** Nosocomial Infections in Immunocompromised and Intensive Care Unit Patients  
**Session 10:** Nosocomial Bloodstream Infections  
**Session 11:** Environmental Microbiology and Waste Management Issues  
**Session 12:** Infections in the Nursing Home, the Elderly and the "Old" Old  
**Session 13:** Infections Associated with Non-Acute Care Settings  
**Session 14:** Infection Control Policies to Protect Healthcare Workers from Bloodborne Pathogens: Compliance and Efficacy  
**Session 15:** Occupational Hepatitis B and HIV: Risk Assessment, Immunization and Prophylactic Intervention  
**Session 16:** Measles and Other Unresolved Occupational Health Issues

*For more information regarding the Third International Conference on Nosocomial Infections, please contact the American Society for Microbiology, Meetings Department, 1325 Massachusetts Avenue NW, Washington, D.C. 20005. Telephone (202) 737-3600; FAX (202) 737-0322.*