

**CURRICULUM VITAE**  
**WILLIAM ANTHONY RUTALA**

**Personal Information:**

<b>Work Address</b>	130 Mason Farm Road, Bioinformatics UNC School of Medicine Division of Infectious Diseases Chapel Hill, NC 27599-7030
<b>Home Address</b>	100 Sierra Drive Chapel Hill, N.C. 27514
<b>Phone</b>	919-967-5570 (home) 984-974-7630 (work)

**Education:**

1966-1970	Bachelor of Science Rutgers University New Brunswick, New Jersey Major: Science
1970-1972	Master of Science University of Tennessee Knoxville, Tennessee Major: Microbiology
1975-1977	Master of Public Health School of Public Health University of North Carolina Chapel Hill, North Carolina Major: Public Health
1977-1979	Doctor of Philosophy School of Public Health University of North Carolina Chapel Hill, North Carolina Major: Microbiology

**Military Education:**

1972	Officers' Basic Course, Army Medical Department
1979	Nuclear, Biological, Chemical Warfare Course

1986-1987	Officers' Advance Course, Army Medical Department
1987-1990	Command and General Staff College Course

**Employment History:**

5/14-Present	Research Professor Division of Infectious Diseases Department of Medicine UNC School of Medicine Chapel Hill, North Carolina
11/93-4/14	Professor (with tenure) Division of Infectious Diseases Department of Medicine UNC School of Medicine Chapel Hill, North Carolina
5/95-Present	Director, Hospital Epidemiology, Occupational Health and Safety Program University of North Carolina Health Care (formerly UNC Hospitals) Chapel Hill, North Carolina
8/92-Present	Director, Hospital Epidemiology University of North Carolina Health Care Chapel Hill, North Carolina
6/83-6/90, Control	Director, Statewide Program for Infection and Epidemiology (SPICE)(co-founder); SPICE provides infection prevention consultation to all health care facilities in NC
7/91-Present	UNC School of Medicine Chapel Hill, North Carolina
7/87-6/06	Hazardous Waste Manager University of North Carolina Hospitals Chapel Hill, North Carolina
9/94	Colonel US Army Reserve (Retired, 22 years) St. Louis, Missouri
8/92-5/95	Director, Department of Hospital Epidemiology and Employee Health University of North Carolina Hospitals Chapel Hill, North Carolina

8/79-5/95	Hospital Environmentalist University of North Carolina Hospitals Chapel Hill, North Carolina
6/83-8/92	Administrative Director, Department of Hospital Epidemiology University of North Carolina Hospitals (formerly North Carolina Memorial Hospital) Chapel Hill, North Carolina
11/84-10/93	Research Associate Professor Division of Infectious Diseases Department of Medicine UNC School of Medicine Chapel Hill, North Carolina
9/75-9/94	Chief, Clinical Laboratory Officer Colonel (8/94), Medical Service Corps 3274th US Army Reserve Hospital Durham, North Carolina
8/90-4/91	Microbiologist Walter Reed Army Medical Center (Activated Reservist for Persian Gulf War) Washington, DC
8/79-10/84	Research Assistant Professor Division of Infectious Diseases Department of Medicine UNC School of Medicine Chapel Hill, North Carolina
7/81-6/83	Co-Director, Statewide Infection Control and Tuberculosis Program UNC School of Medicine Chapel Hill, North Carolina
7/80-6/81	Assistant Director, Statewide Infection Control and Tuberculosis Program UNC School of Medicine Chapel Hill, North Carolina
5/76-8/79	Research Assistant Department of Environmental Sciences and Engineering University of North Carolina Chapel Hill, North Carolina
8/75-5/76	Teaching Assistant Department of Parasitology and Laboratory Practice

	University of North Carolina Chapel Hill, North Carolina
11/72-8/75	Chief, Virology Service Captain, Medical Service Corps US Army Medical Laboratory Fort Sam Houston, Texas
3/71-8/72	Research Assistant Department of Microbiology University of Tennessee Knoxville, Tennessee

**Certification:**

1984	Infection Control
1994	Infection Control
1999	Infection Control
2004	Infection Control
2009	Infection Control
2014	Infection Control

**Professional Societies:**

American Society for Microbiology (ASM)  
Society of Hospital Epidemiology  
of America (SHEA)  
Association for Professionals in  
Infection Control and Epidemiology  
(APIC), North Carolina Chapter  
Association for Professionals in  
Infection Control and  
Epidemiology, National

**Professional Service:****Consultant**

1985, 1988	Infectious Waste Management Working Group, US Environmental Protection Agency
1987	Expert Panel, Certification Board of Infection Control Task Analysis (APIC)
1988	Working Group on Infectious Waste, American Hospital Association (AHA)

1988	Working Group on Biomedical Waste Management, US Congressional Office of Technology Assessment
1989	External Peer Review Panel for Report to Congress (The Public Health Implications of Medical Waste) Agency for Toxic Substances and Disease Registry, US Department of Health and Human Services
1991-Present	FIFRA Scientific Advisory Panel Subpanel, Antimicrobial Research Strategy for Disinfectants, US Environmental Protection Agency
1992	Working Group on Regulated Medical Waste, Association of Operating Room Nurses
1994-1996	Federal Trade Commission Washington, DC
1995-2000	General Hospital and Personal Use Devices Panel (Consultant 1995-1997, Member 1997- 2000) Center for Devices and Radiological Health Food and Drug Administration (FDA) Rockville, MD
1997	Medical/Engineering Approaches for Reducing Nosocomial Infection National Research Council National Academy of Science Washington, DC
1998	Hospital Infection Program Center for Infectious Disease Centers for Disease Control and Prevention
1999-2003	Healthcare Infection Control Practices Advisory Practices (HICPAC) Centers for Disease Control and Prevention Atlanta, GA
1999	Global Consensus Conference on Issues Related to Antimicrobial Resistance APIC, CHICA Toronto, Canada
2001-2003	Infection Control in Dentistry, 2003 Centers for Disease Control and Prevention Atlanta, GA

2001	Consensus Panel Meeting on Reprocessing Flexible Gastrointestinal Endoscopes (JCAHO, SGNA, AORN, APIC, SHEA, ASGE, ACG, SAGES, AGA, FASA, ASCRS) Atlanta, GA
2004-2006	NC Communicable Disease Surveillance Advisory Committee, Raleigh, NC
2004-2005	Special Emphasis Panel Infectious Diseases and Microbiology Center for Scientific Review National Institutes of Health Bethesda, MD
2015	ASGE Duodenoscope Infection Control Summit, National Harbor, MD
2015	FDA Workshop on Duodenoscope Reprocessing, Gastroenterology and Urology Devices Panel of the Medical Devices Advisory Committee. Silver Spring, MD
<b>Editorial Boards</b>	
1982-2000	American Journal of Infection Control
1984-Present	Infection Control and Hospital Epidemiology
1998-1999	Journal of Infection Control (Asia Pacific Edition)
Section Editor	
1994-2006	Occupational Medicine, Infection Control and Hospital Epidemiology
1997-2006	Sterilization and Disinfection, Infection Control and Hospital Epidemiology
<b>Editor</b> (with DJ Weber)	
2001-2002	Seminars in Infection Control

**Reviewer**

Annals of Internal Medicine  
 Journal of American Medical  
 Association (JAMA)  
 Journal of Applied Microbiology

Gastrointestinal Endoscopy  
 Endoscopy  
 Clinical Infectious Diseases  
 Journal of Infectious Diseases

**Grants Funded**

1. Area Health Education Centers Grant (North Carolina), 1979-present, Program Director.  
 Purpose: To provide statewide consultation in the area of hospital infection control, to train infection control practitioners and assist in outbreak evaluations.
2. North Carolina Division of Epidemiology, Department of Environment, Health and Natural Resources Grant, 1980-present, Program Director.  
 Purpose: To establish a statewide program for the management of tuberculosis in the community hospital and the design of infection control programs at community hospitals and other health care facilities.
3. U.S. Environmental Protection Agency Grant, 1983-1989, Principal Investigator.  
 Purpose: To improve the Association of Official Analytical Chemists (AOAC) tests for evaluating the germicidal activity of hospital disinfectants so the tests are concise, unambiguous and there is little inter-laboratory variation in the methods employed or results obtained.
4. Arvey Corporation (Cedar Grove, NJ), 1983, Principal Investigator.  
 Purpose: To perform a comparative evaluation of biological and chemical indicators used for monitoring the efficacy of steam sterilization.
5. Lilly Corporation (Indianapolis, Indiana), 1986, Co-investigator.  
 Purpose: To determine the clinical significance of *Bacillus* species isolated from blood cultures. The susceptibilities of over 100 strains of Bacillus to a battery of antibiotics were also evaluated.
6. Huntington Laboratories (Huntington, Indiana), 1986, Project Director.  
 Purpose: An unrestricted gift to support disinfection research.
7. Minnesota Mining and Manufacturing, 3M (St. Paul, Minnesota), 1989.  
 Purpose: An unrestricted gift to support basic research.
8. Minnesota Mining and Manufacturing, 3M (St. Paul, Minnesota), 1991.  
 Purpose: Evaluate a rapid readout biological indicator for determining the efficacy of a flash sterilization cycle.
9. Centers for Disease Control and Prevention (Atlanta, Georgia) via contract with Analytical Sciences Inc. (Durham, NC), 1994. Purpose: Evaluate the sensitivity and specificity of nosocomial infection case finding in NNIS hospitals.
10. American Sterilizer Company (Erie, PA), 1994. Purpose: Evaluate the sterilization efficacy of low temperature sterilization alternatives (e.g., peracetic acid, vaporized hydrogen peroxide).

11. Minnesota Mining and Manufacturing (St. Paul, Minnesota), 1994. Purpose: Evaluate a rapid readout biological indicator for monitoring sterilization.
12. Clorox (Pleasanton, CA), 1997. Purpose: An unrestricted gift to support disinfection research.
13. Clorox (Pleasanton, CA), 1998. Purpose: An unrestricted gift to support disinfection research.
14. Clorox (Pleasanton, CA), 1999. Purpose: An unrestricted gift to support disinfection research.
15. Clorox (Pleasanton, CA), 2003. Purpose: An unrestricted gift to support disinfection research.
16. Reckitt-Benckiser (NJ), 2004. Purpose: An unrestricted gift to support disinfection research.
17. Centers for Disease Control and Prevention. Purpose: Investigate the role of the environment in the transmission of SARS coronavirus. Principal Investigators: MS Sobsey, RS Baric, WA Rutala, DJ Weber.
18. Clorox (Pleasanton, CA), 2006. Purpose: An unrestricted gift to support disinfection research.
19. Clorox (Pleasanton, CA), 2007. Purpose: An unrestricted gift to support disinfection research.
20. Clorox (Pleasanton, CA), 2008. Purpose: An unrestricted gift to support disinfection research.
21. Centers for Disease Control and Prevention (via NC Department of Health and Human Services). Purpose: Validate the accuracy of healthcare-associated infection data reported to the National Healthcare Safety Network. 1/2010-12/2011
22. Clorox (Pleasanton, CA), 2009. Purpose: An unrestricted gift to support disinfection research.
23. Clorox (Pleasanton, CA), 2010. Purpose: An unrestricted gift to support disinfection research.
24. Clorox (Pleasanton, CA), 2010. Purpose: An unrestricted gift to support disinfection research.
25. Centers for Disease Control and Prevention. A Four-Arm Prospective, Multicenter Study to Assess the Clinical Efficacy, Effectiveness, and Feasibility of Enhanced Environmental Disinfection. 4/2011-3/2016.
26. Clorox (Pleasanton, CA), 2012. Purpose: An unrestricted gift to support disinfection research
27. North Carolina Department of Health and Human Services, Division of Health Service Regulation. Purpose: Enhanced Education of Infection Prevention in Nursing Homes. 7/1/2012-6/31/2014
28. Clorox (Pleasanton, CA), 2013. Purpose: An unrestricted gift to support disinfection research

## **Committees**

### **Hospitals/University**

8/79-Present

Infection Control Committee,  
Member



7/84-Present	Health and Safety Committee, Member
7/82-6/89	Laboratory and Environmental Safety Subcommittee, Chair (1984-1989)
7/82-6/89	Health Care Personnel Safety Sub- Committee, Chair (1984-1989)
7/89-Present	Personnel and Environmental Safety Subcommittee, Chair (1989-present)
5/92-6/94	Innovative Projects Committee, Member (1992) and Chair (1993-1994)
9/97-8/98	Committee to Review Appointments and Promotions to Full Professor, UNC School of Medicine
7/96-Present	Professional Liability Advisory Committee
8/03-10/03	Chancellor's Advisory Committee on SARS

### **State**

1982-1983	Board of Directors, North Carolina Association for Practitioners in Infection Control
1984-1985	Nominating Committee, North Carolina Association for Practitioners in Infection Control, Chair (1984), Member (1985)
1984-1989	Infectious Waste Task Force, North Carolina Solid and Hazardous Waste Management Branch
1989-1990	Medical Waste Task Force, North Carolina Hospital Association
1991-1992	Expert Panel on HIV and HBV Infected Health Care Workers, NC Department of Environment, Health and Natural Resources (NCDEHNR)
1994	Search Committee for Director, NC Division of Epidemiology, NCDEHNR
2004-Present	Center for Hospital Quality and Patient Safety Board of Trustees, NC Hospital Association
2008-	NC Joint Study Committee on Hospital Infection Control and Disclosure, NC

**National**

1984-1985	Incineration for Heat Recovery and Solid Waste Management Advisory Board, American Society for Hospital Engineering of the American Hospital Association
1984-1986	Chair (1986), Guidelines Committee, National Association for Practitioners in Infection Control, Member (1984), Co-Chair (1985), (conceived need and developed mission statement and procedure for APIC Guidelines)
1985-1986	Association of Operating Room Nurses (AORN) Recommended Practices Subcommittee
1984-1987	AOAC Disinfectant Test Method Update Task Force, Member
1988-1997	Chair (1991-1995), Subcommittee on Sterilization, Disinfection and Antisepsis, Committee on Laboratory Practices for Microbiology, Public and Scientific Affairs Board (PSAB), American Society for Microbiology (ASM), Member (1988-1997)
1989	Ad Hoc Committee on Medical Waste and Hazardous Materials, American Hospital Association, Member
1990-1991	Medical Waste Management Position Paper Task Force, SHEA
1993	Chair, International Symposium on Chemical Germicides in Health Care, APIC (700 delegates)
1994	American Society for Gastrointestinal Endoscopy Committee on Disinfection, Member (representing APIC)
1995-1996	Chair-Elect of Division L (Nosocomial Infections, 900 members), ASM
1996-1997	Chair, Division L (Nosocomial Infections), ASM
1996-1997	Chair, International Symposium on Sterilization, Disinfection and Antisepsis in Health Care, APIC (750 delegates)

1999-2000	Chair, International Symposium on Sterilization, Disinfection and Antisepsis in Health Care, APIC
2002-2003	Chair, International Symposium on Sterilization, Disinfection and Antisepsis in Health Care, APIC
2005-2006	Chair, International Symposium on Sterilization, Disinfection and Antisepsis In Health Care, APIC
2008	Member, Blue Ribbon Panel for Issues of Clinical Laboratory Safety, Centers for Disease Control and Prevention
2009	Chair, International Symposium on Sterilization, Disinfection and Antisepsis in Health Care, APIC
2008-2010	Member, Guidelines Committee, Society of Healthcare Epidemiologists of America
2011-2012	Lead Clinical Advisor for APIC for Clean Spaces, Healthy Patients Project

### **International**

2010	International Nosocomial Infection Control Consortium <a href="http://www.inicc.org/english/institutional.php">http://www.inicc.org/english/institutional.php</a>
------	--

### **Teaching Responsibility:**

1979-Present	Lecturer, house staff/attendings on Infection Control and Infectious Diseases (five per year)
1979-Present	Faculty, AHEC/UNC School of Medicine sponsored symposia on Infection Control and Infectious Diseases
1979-Present	Master's Students and Thesis Topics: Gregory P. Samsa (Epidemiology of Tuberculosis in North Carolina) Susan M. Saviteer, M.D. (Nosocomial Infections in the Elderly) Robert L. Brawley, M.D. (Multiple Nosocomial Infections) Brenda Gant (Changes in the Etiologic Agents of Nosocomial Infections) Robert L. Odette (Management of

	<p>Infectious Waste in United States Hospitals)</p> <p>Hal Martin, M.D. (Epidemiology of Atypical Mycobacterial Infections in North Carolina)</p> <p>Stuart C. Cooper, M.D. (Pediatric Tuberculosis in North Carolina)</p> <p>Elaine Rogers (Quantitative Carrier Test for Evaluating the Bactericidal Activity of Disinfectants)</p> <p>Emily E. Sickbert-Bennett (Efficacy of Hand Hygiene Products)</p> <p>Jeffrey E. Peacock (Efficacy of Germicides Against Adenovirus)</p>
1980-Present	<p>Course Director and Faculty, "Clinical Surveillance of Nosocomial Infections" and "ICP as an Environmentalist", School of Medicine, UNC at Chapel Hill</p>
1985-2003	<p>Lecturer, Epidemiology 218 "Introduction to Methods in Infectious Disease Epidemiology", Department of Epidemiology, School of Public Health, UNC at Chapel Hill</p>
1987	<p>Course Director, "Hospital Infections in 1987 and Beyond: New Issues, Problems and Strategies", School of Medicine, UNC at Chapel Hill</p>
1989	<p>Course Director and Faculty, "Certification in Infection Control Review Course", School of Medicine, UNC at Chapel Hill</p>
1991-Present	<p>Course Director and Faculty, "Infection Control in Long-Term Care Facilities", School of Medicine, UNC at Chapel Hill</p>
1996	<p>Course Director and Faculty "Medical Waste Management", School of Medicine, UNC at Chapel Hill</p>

1998 - Present

Course Director and Faculty  
 "Infection Control in Home Health",  
 School of Medicine,  
 UNC at Chapel Hill

### **Scientific Publications:**

#### **Refereed Journals**

1. Girardi AJ, P Reppucci, P Dierlam, W Rutala and JH Coggin. 1973. Prevention of simian virus 40 tumors by hamster fetal tissue: Influence of parity status of donor females on immunogenicity of fetal tissue and on immune cell cytotoxicity. Proc. Natl. Acad. Sci. USA 70:183-186.[PDF](#)
2. Rutala WA, DF Shelton and D Arbiter. 1977. Comparative sensitivities of viruses to cell cultures and transport media. Am. J. Clin. Path. 67:397-400.
3. Rutala WA, DF Shelton and D Arbiter. 1977. Twenty-five years of diagnostic virology in a reference laboratory. Military Medicine. 142:935-937.
4. Sobsey MD, JS Glass, RJ Carrick, RR Jacobs and WA Rutala. 1980. Evaluation of the tentative standard method for enteric virus concentration from large volumes of tapwater. J. Am. Water Works Assoc. 72:292-299.
5. Sobsey MD, JS Glass, RR Jacobs and WA Rutala. 1980. Modifications of the tentative standard method for improved virus recovery efficiency. J. Am. Water Works Assoc. 72:350-355.
6. Rutala WA, VA Kennedy, HB Loflin and FA Sarubbi. 1981. *Serratia marcescens* nosocomial infections of the urinary tract associated with urine measuring containers and urinometers. Am. J. Med. 70:659-663.
7. Sarubbi FA Jr., HB Kopf, MB Wilson, MR McGinnis and WA Rutala. 1982. Increased recovery of *Aspergillus flavus* from respiratory specimens during hospital construction. Am. Review Respir. Dis. 125:33-38.
8. Rutala WA, MM Stiegel and FA Sarubbi, Jr. 1982. Decontamination of laboratory microbiological wastes by steam sterilization. Appl. Environ. Microbiol. 43:1311-1316.[PDF](#)
9. Votra EM, WA Rutala and FA Sarubbi, Jr. 1983. Recommendations for pregnant employee interaction with patients having communicable infectious diseases. Am. J. Infect. Control. 11:10-19.
10. Rutala WA and FA Sarubbi, Jr. 1983. Management of infectious waste from hospitals. Infect. Control. 4:198-204.
11. Rutala WA, BS Katz, RJ Sherertz and FA Sarubbi, Jr. 1983. Environmental study of a methicillin-resistant *Staphylococcus aureus* epidemic in a burn unit. J. Clin. Microbiol. 18:683-688.[PDF](#)
12. Rutala WA and FA Sarubbi, Jr. 1984. Comparative evaluation of a traditional and a "tissue technique" for determining air pressure differentials in hospital isolation rooms. Am. J. Infect. Control 12:96-99.
13. Rutala WA and EC Cole. 1984. Antiseptics and disinfectants: Safe and effective? Infect. Control. 5:215-218.

14. Rutala WA, MM Stiegel and FA Sarubbi, Jr. 1984. A potential infection hazard associated with the use of disposable saline vials. *Infect. Control.* 5:170-172.
15. Dandalides PC, WA Rutala and FA Sarubbi, Jr. 1984. Postoperative infections following cardiac surgery: Association with an environmental reservoir in a cardiothoracic intensive care unit. *Infect. Control.* 5:378-384.
16. Rutala WA. 1985. Cost effective application of the CDC guideline for handwashing and hospital environmental control. *Am. J. Infect. Control.* 13:218-224.
17. Price LE, FA Sarubbi and WA Rutala. 1985. Infection control programs in twelve North Carolina extended care facilities. *Infect. Control.* 6:437-441.
18. Weber DJ, WA Rutala, GP Samsa, J Santimaw and SM Lemon. 1985. Obesity as a predictor of poor antibody response to the hepatitis B plasma vaccine. *JAMA.* 254:3187-3189 (translated into Japanese).[PDF](#)
19. Weber DJ, WA Rutala, S Kenyear and SM Lemon. 1986. Response to deltoid muscle injection of hepatitis B vaccine after failure to respond to gluteal injections. *JAMA.* 255:2157.[PDF](#)
20. Rutala WA, SM Saviteer, CA Thomann and MB Wilson. 1986. Plaster-associated *Bacillus cereus* wound infection. *Orthopedics.* 9:575-577.[PDF](#)
21. Cole EC and WA Rutala. 1986. Evaluation of asparagine in the AOAC use-dilution method. *J. Assoc. Off. Anal. Chem.* 69:1003-1005.
22. Dandalides PC, WA Rutala, CA Thomann and FA Sarubbi. 1986. Serious postoperative infections caused by coagulase-negative staphylococci: An epidemiological and clinical study. *J. Hosp. Infect.* 8:233-241.
23. Price LE, WA Rutala and GP Samsa. 1987. Tuberculosis in hospital personnel. *Infect. Control.* 8:97-101.
24. Rutala WA, DJ Weber and CA Thomann. 1987. Outbreak of wound infections following outpatient podiatric surgery due to contaminated bone drills. *Foot Ankle.* 7:350-354.
25. Cole EC, WA Rutala and GP Samsa. 1987. Standardization of bacterial numbers on penicylinders used in disinfectant testing: Interlaboratory study. *J. Assoc. Off. Anal. Chem.* 70:635-637.
26. Cole EC, WA Rutala and JL Carson. 1987. Evaluation of penicylinders used in disinfectant testing: Bacterial attachment and surface texture. *J. Assoc. Off. Anal. Chem.* 70:903-906.
27. Price LE and WA Rutala. 1987. Tuberculosis screening in long-term care facilities. *Infect. Control.* 8:353-356.
28. Rutala WA and EC Cole. 1987. Ineffectiveness of hospital disinfectants against bacteria: A collaborative study. *Infect. Control.* 8:501-506.
29. Cole EC and WA Rutala. 1988. Bacterial numbers on penicylinders used in disinfectant testing: Use of twenty-four hour adjusted broth cultures. *J. Assoc. Off. Anal. Chem.* 71:9-11.
30. Weber DJ, WA Rutala and C Parham. 1988. Impact and costs of varicella prevention in a university hospital. *Am. J. Public Health.* 78:19-23.[PDF](#)

31. Cole EC, WA Rutala and EM Alfano. 1988. Comparison of stainless steel penicylinders used in disinfectant testing. *J. Assoc. Off. Anal. Chem.* 71:288-289.
32. Saviteer SM, Samsa GP and WA Rutala. 1988. Nosocomial infections in the elderly: Increased risk per hospital day. *Am. J. Med.* 84:661-666.
33. Weber DJ, SM Saviteer, WA Rutala and CA Thomann. 1988. *In vitro* susceptibility of *Bacillus spp* to selected antimicrobial agents. *Antimicrob. Agents Chemother.* 32:642-645.
34. Rutala WA, DJ Weber, CA Thomann, JF John Jr., SM Saviteer and FA Sarubbi, Jr. 1988. An outbreak of *Pseudomonas cepacia* bacteremia associated with a contaminated intra-aortic balloon pump. *J. Thorac. Cardiovasc. Surg.* 96:157-161.
35. Peacock JE, L Sorrell, FD Sottile, LE Price and WA Rutala. 1988. Nosocomial respiratory tract colonization and infection with aminoglycoside-resistant *Acinetobacter calcoaceticus* var. *anitratus*: Epidemiologic characteristics and clinical significance. *Infect. Control Hosp. Epidemiol.* 9:302-308.
36. Weber DJ and WA Rutala. *Bacillus* species. 1988. *Infect. Control Hosp. Epidemiol.* 9:368-373.
37. Alfano EM, EC Cole and WA Rutala. 1988. Quantitative evaluation of bacteria washed from stainless steel penicylinders during the AOAC use-dilution method. *J. Assoc. Off. Anal. Chem.* 71:868-871.
38. Cole EC, WA Rutala and GP Samsa. 1988. Disinfectant testing using a modified use-dilution method: Collaborative study. *J. Assoc. Off. Anal. Chem.* 71:1187-1194.
39. Weber DJ and WA Rutala. 1988. Epidemiology of nosocomial fungal infections. *In* McGinnis MR, editor: *Current topics in medical mycology*. Volume 2. Springer-Verlag, New York. pp. 305-337.
40. Cole EC, WA Rutala, JL Carson and EM Alfano. 1989. *Pseudomonas* pellicle in disinfectant testing: Electron microscopy, pellicle removal and effect on test results. *Appl. Environ. Microbiol.* 55:511-513.[PDF](#)
41. Rutala WA. 1989. Draft guideline for selection and use of disinfectants. *Am. J. Infect. Control.* 17:24A-38A.
42. Rutala WA and BH Hamory. 1989. Chemical exposures in the health care setting. *Infect. Control Hosp. Epidemiol.* 10:261-266.
43. DJ Weber, Saviteer SM, WA Rutala and CA Thomann. 1989. Clinical significance of *Bacillus* species isolated from blood cultures. *South. Med. J.* 82:705-709.[PDF](#)
44. Rutala WA, RL Odette and GP Samsa. 1989. Management of infectious waste by United States hospitals. *JAMA.* 262:1635-1640.[PDF](#)
45. Brawley RL, DJ Weber, GP Samsa and WA Rutala. 1989. Multiple nosocomial infections: An incidence study. *Am. J. Epidemiol.* 130:769-780.[PDF](#)
46. Weber DJ, WA Rutala, GP Samsa, FA Sarubbi and L King. 1989. Epidemiology of tuberculosis in North Carolina, 1966-1986: Analysis of demographic features, geographic variation, AIDS, migrant workers and site of infection. *South. Med. J.* 82:1204-1214.[PDF](#)

47. Hoffmann KH, DJ Weber and WA Rutala. 1989. Pseudoepidemic of *Rhodotorula rubra* in patients undergoing fiberoptic bronchoscopy. *Infect. Control Hosp. Epidemiol.* 10:511-514.
48. Buehrer J, DJ Weber, AA Meyer, PR Becherer, WA Rutala, B Wilson, ML Smiley and GC White. 1990. Wound infection rates after invasive procedures in HIV-1 seropositive versus HIV-1 seronegative hemophiliacs. *Ann. Surg.* 211:492-498.[PDF](#)
49. Rutala WA. 1990. APIC guideline for selection and use of disinfectants. *Am. J. Infect. Control.* 18:99-117 (translated into Spanish by the Pan American Health Organization).
50. Cole EC, WA Rutala, L Nessen, NS Wannamaker and DJ Weber. 1990. Effect of methodology, dilution, and exposure time on the tuberculocidal activity of glutaraldehyde-based disinfectants. *Appl. Environ. Microbiol.* 56:1813-1817.[PDF](#)
51. Weber DJ, MB Wilson, WA Rutala and CA Thomann. 1990. Manual ventilation bags as a source for bacterial colonization of intubated patients. *Am. Review Resp. Dis.* 142:892-894.[PDF](#)
52. a. Rutala WA. Disinfection in the operating room. 1990. *Today's OR Nurse* 12:30-38.  
b. Rutala WA. Disinfection and flash sterilization in the operating room. 1991. *J. Ophthal. Nursing Technol.* 10:106-115.
53. Rutala DR, WA Rutala, DJ Weber and CA Thomann. 1991. Infection risks associated with spirometry. *Infect. Control Hosp. Epidemiol.* 12:89-92.
54. Hoffmann KK, DJ Weber and WA Rutala. 1991. Infection control strategies relevant to employee health. *J. Am. Assoc. Occup. Health Nurses.* 39:167-181.
55. Rutala WA, EP Clontz, DJ Weber and KK Hoffmann. 1991. Disinfection practices for endoscopes and other semicritical items. *Infect. Control Hosp. Epidemiol.* 12:282-288.
56. Weber DJ, WA Rutala and WA Orenstein. 1991. Prevention of mumps, measles and rubella among hospital personnel. *J. Pediatrics.* 119:233-236.
57. Marshburn PB, WA Rutala, NS Wannamaker and JF Hulka. 1991. Gas and steam sterilization of assembled versus disassembled laparoscopic equipment: Microbiologic studies. *J. Reprod. Med.* 36:483-487.
58. Rutala WA and DJ Weber. 1991. Infectious waste: Mismatch between science and policy. *N. Engl. J. Med.* 325:578-582.[PDF](#)
59. Rutala WA, EC Cole, NS Wannamaker and DJ Weber. 1991. Inactivation of *Mycobacterium tuberculosis* and *Mycobacterium bovis* by 14 hospital disinfectants. *Am. J. Med.* 91(3B):267S-271S.
60. Weber DJ, PR Becherer, WA Rutala, MB Wilson, GP Samsa and GC White. 1991. Nosocomial infections rate as a function of HIV-1 status in hemophiliacs. *Am. J. Med.* 91(3B):206S-212S.
61. Weber DJ, KK Hoffmann and WA Rutala. 1991. Management of the healthcare worker infected with human immunodeficiency virus: Lessons from nosocomial transmission of hepatitis B virus. *Infect. Control Hosp. Epidemiol.* 12:625-630.
62. a. Rutala WA, CG Mayhall and the Society of Hospital Epidemiology of America. 1992. SHEA position paper: Medical waste. *Infect. Control Hosp. Epidemiol.* 13:38-48.



- b. Also published in Penn Dental J. 1994;61:13-21.
63. Hanson LG, DJ Weber, WA Rutala and GP Samsa. 1992. Risk factors for nosocomial pneumonia in the elderly. *Am. J. Med.* 92:161-166.
  64. Weber DJ, WA Rutala, GP Samsa, MB Wilson and KK Hoffmann. 1992. Relative frequency of nosocomial pathogens at a university hospital during the decade, 1980-1989. *Am. J. Infect. Control.* 20:192-197.
  65. Hoffmann KK, DJ Weber, GP Samsa and WA Rutala. 1992. Transparent polyurethane film as an intravenous catheter dressing: A meta analysis of the infection risks. *JAMA.* 267:2072-2076.
  66. Rutala WA and DJ Weber. 1992. Medical waste: Dissonance between science and policy. *INDA Journal Nonwoven Research.* (Adapted from *NEJM* article). 4:22-25.
  67. Rutala WA, MF Gergen and DJ Weber. 1993. Inactivation of *Clostridium difficile* spores by disinfectants. *Infect. Control Hosp. Epidemiol.* 14:36-39.
  68. Rutala WA, MF Gergen and DJ Weber. 1993. Evaluation of a rapid readout biological indicator for flash sterilization with three biological indicators and three chemical indicators. *Infect. Control Hosp. Epidemiol.* 14:390-394.
  69. Rutala WA, MF Gergen and DJ Weber. 1993. Sporicidal activity of chemical sterilants used in hospitals. *Infect. Control Hosp. Epidemiol.* 14:713-718.
  70. Weber DJ and WA Rutala. 1994. Management of healthcare workers exposed to pertussis. *Infect. Control Hosp. Epidemiol.* 15:411-415.
  71. Rutala WA and DJ Weber. 1995. FDA labeling requirements for disinfection of endoscopes: A counterpoint. *Infect. Control Hosp. Epidemiol.* 16:231-235.
  72. Rutala WA, SM Jones, JM Worthington, PC Reist, and DJ Weber. 1995. Efficacy of portable filtration units in reducing aerosolized particles in the size range of *Mycobacterium tuberculosis*. *Infect. Control Hosp. Epidemiol.* 16:391-398.
  73. Rutala WA and the APIC Guidelines Committee. 1995. Draft APIC guideline for selection and use of disinfectants. *Am. J. Infect. Control.* 23:35A-67A.
  74. Cunnion K, DJ Weber, WE Broadhead, LG Hanson, CF Pieper, WA Rutala. 1996. Risk factors for nosocomial pneumonia: Comparing adult critical-care populations. *Am. J. Resp. Crit. Care Med.* 153:158-162. [PDF](#)
  75. Rutala WA and DJ Weber. 1996. Low-temperature sterilization technology: Do we need to redefine sterilization? *Infect. Control Hosp. Epidemiol.* 17:89-91.
  76. Rutala WA, Disinfection and sterilization of patient-care items. 1996. *Infect. Control Hosp. Epidemiol.* 17:377-384.
  77. Rutala WA, SM Jones and DJ Weber. 1996. Comparison of a rapid readout biological indicator for steam sterilization with four conventional biological indicators and five chemical indicators. *Infect. Control Hosp. Epidemiol.* 17:423-428.
  78. Weber DJ, WA Rutala and H Hamilton. 1996. Prevention and control of varicella zoster infections in healthcare facilities. *Infect. Control Hosp. Epidemiol.* 17:694-705.

79. Weber DJ, WA Rutala and FW Denny. 1996. Management of healthcare workers with pharyngitis or suspected streptococcal infections. *Infect. Control Hosp. Epidemiol.* 17:753-761.
80. Rutala WA and the APIC Guideline Committee. 1996. APIC guideline for selection and use of disinfectants. *Am. J. Infect. Control.* 24:312-342.
81. Rutala WA, MM Steigel, FA Sarubbi and DJ Weber. 1997. Susceptibility of antibiotic-susceptible and antibiotic-resistant hospital bacteria to disinfectants. *Infect. Control Hosp. Epidemiol.* 18:417-421.
82. Rutala WA and DJ Weber. 1997. Uses of inorganic hypochlorite (bleach) in health care facilities. *Clin. Microbiol. Rev.* 10:597-610.[PDF](#)
83. Rutala WA, EC Cole, CA Thomann and DJ Weber. 1998. Stability and bactericidal activity of chlorine solutions. *Infect. Control Hosp. Epidemiol.* 19:323-327.
84. Rutala WA, MF Gergen, JF Jones, DJ Weber. 1998. Levels of microbial contamination on surgical instruments. *Am. J. Infect. Control.* 26:143-145.
85. Rutala WA, MF Gergen, DJ Weber. 1998. Comparative evaluation of the sporicidal activity of low-temperature sterilization technologies: Ethylene oxide, 2 plasma sterilization systems, and liquid peracetic acid. *Am. J. Infect. Control.* 26:393-398.[PDF](#)
86. Rutala WA and DJ Weber. 1998. Clinical effectiveness of low-temperature sterilization technology. *Infect. Control Hosp. Epidemiol.* 19:798-804.
87. Rutala WA and DJ Weber. 1999. Disinfection of endoscopes: Review of new chemical sterilants used as high-level disinfectants. *Infect. Control Hosp. Epidemiol.* 20:69-76.
88. Barbee SL, DJ Weber, MD Sobsey, WA Rutala. 1999. Susceptibility of *Cryptosporidium parvum* to disinfection and sterilization processes. *Gastroint. Endosc.* 49:605-611.[PDF](#)
89. Weber DJ, WA Rutala, CN Bennett, M Jordon, M Gergen. 1999. Faucet aerators: A source of patient colonization with *Stenotrophomonas maltophilia*. *Am. J. Infect. Control.* 27:56-58.[PDF](#)
90. Weber DJ, R Raasch and WA Rutala. 1999. Nosocomial infections in the intensive care unit: The growing importance of antibiotic resistant pathogens. *Chest.* 115:34S-41S. [PDF](#)
91. Rutala WA, MF Gergen and DJ Weber. 1999. Sporicidal activity of a new low-temperature sterilization technology: The Sterrad 50 Sterilizer. *Infect. Control Hosp. Epidemiol.* 20:514-516.
92. Rutala WA and DJ Weber. 1999. Infection control: The role of disinfection and sterilization. *J Hosp. Infect.* 43:S43-S55.
93. Weber DJ, SL Barbee, MD Sobsey, WA Rutala. 1999. The effect of blood on the antiviral activity of sodium hypochlorite, a phenolic, and a quaternary ammonium compound. *Infect. Control Hosp. Epidemiol.* 20:821-827.
94. Rutala WA, SL Barbee, N Aguiar, MD Sobsey and DJ Weber. 2000. Antimicrobial activity of home disinfectants and natural products against potential human pathogens. *Infect. Control Hosp. Epidemiol.* 21:33-38.
95. Rutala WA, DJ Weber, MF Gergen, AR Gratta. 2000. Effectiveness of washer-pasteurizer for disinfection of respiratory-care equipment. *Infect. Control Hosp. Epidemiol.* 21:333-336.

96. Weber DJ and WA Rutala. 2001. Risks and prevention of nosocomial transmission of rare zoonotic diseases. *Clin Infect Dis.* 32:446-456. [PDF](#)
97. Rutala WA and DJ Weber. 2001. New methods in disinfection and sterilization. *Emerging Infectious Diseases.* 7:348-353. [PDF](#)
98. Rutala WA and DJ Weber. 2001. Creutzfeldt-Jakob disease: Recommendations for disinfection and sterilization. *Clin Infect Dis.* 32:1348-1356. [PDF](#)
99. Rutala WA and DJ Weber. 2001. A review of the use of gowns and drapes (single use and reusable) in healthcare. *Infect. Control Hosp. Epidemiol.* 22:248-257.
100. Weber DJ and WA Rutala. 2001. The emerging infectious pathogens *Cryptosporidium*, *E. coli* O157:H7, *Helicobacter pylori*, and Hepatitis C: Epidemiology, environmental survival, efficacy of disinfection and control measures. *Infect. Control Hosp. Epidemiol.* 22:306-315.
101. Rutala WA and DJ Weber. 2001. Surface disinfection: Should we do it? *J. Hosp. Infect.* 48:S64-S68.
102. Weber DJ and WA Rutala. 2001. Lessons from outbreaks associated with bronchoscopy. *Infect. Control Hosp. Epidemiol.* 22:403-408.
103. Weber DJ, Raasch RH, Rutala WA. Healthcare-associated pneumonia. 2002. Current Treatment Opinions in Pulmonary Med. 4:141-151.
104. Hoffmann KK, DJ Weber, WA Rutala, MF Gergen and LJ Weaver. 2002. *Pseudomonas aeruginosa* post-operative endophthalmitis linked to a contaminated phacoemulsifier. *Arch. Ophthalmol.* 120:90-93. [PDF](#)
105. Weber DJ and Rutala WA. 2002. Managing the risks of nosocomial transmission of prion diseases. *Current Opinions in Infectious Diseases.* 15:421-426. [PDF](#)
106. Weber DJ, Sickbert-Bennett E, Gergen MF, Rutala WA. 2003. Efficacy of selected hand hygiene agents used to remove *Bacillus atrophaeus* (a surrogate of *Bacillus anthracis*) from contaminated hands. *JAMA.* 289:1274-1277.
107. Nelson DB, Jarvis WR, Rutala WA, Foxx-Orenstein AE, Isenberg G, Dash GP, et al. 2003. Multi-society guideline for reprocessing flexible gastrointestinal endoscopes. *Gastro. Endoscopy* 58:1-8 [and](#) *Infect. Control Hosp. Epidemiol.* 2003;24:532-537 [and](#) *Am. J. Infect. Control* 2003;31:309-315 [and](#) *Dis Colon Rectum* 2004;47:413-421. [PDF](#)
108. Min SS, Weber DJ, Donovan BJ, Gilligan P, Bairns B, Rutala WA. 2003. Multidrug resistant *Enterococcus faecium* in a burn patient. *Clin. Infect. Dis.* 36:1210-1211.
109. Sickbert-Bennett E, Weber DJ, Gergen-Teague MF, Rutala WA. 2004. The effect of test variables on the efficacy of hand hygiene agents. *Am. J. Infect Control* 32:69-83. [PDF](#)
110. Rutala WA, Weber DJ. 2004. Registration of disinfectants based on relative microbicidal activity. *Infect. Control Hosp. Epidemiol.* 25:333-41.
111. Rutala WA, DJ Weber. 2004. Reprocessing endoscopes: United States perspective. *J. Hosp. Infection.* 56 (Supplement 2): S27-S39. [PDF](#)

112. Dubin MG, White DR, Melroy CT, Gergen MT, Rutala WA, Senior BA. 2004. Multi-use Venturi nasal atomizer contamination in a clinical rhinologic practice. *Am. J. Rhinol.* 18:151-156.
113. Rutala WA, Weber DJ. 2004. Disinfection and sterilization in health-care facilities: What clinicians need to know. *Clin. Infect. Dis.* 39:702-9. [PDF](#)
114. Sickbert-Bennett E, Weber DJ, Gergen MF, Sobsey MD, Rutala WA. 2005. Comparative efficacy of hand hygiene agents in the reduction of bacteria and viruses. *Am. J. Infect. Control.* 33:66-77. [PDF](#)
115. Weber DJ and WA Rutala. New antibiotic agents: Problems and prospects. 2005. *Surg. Infect.* 6 (Suppl 2); S-97-107.
116. Weber DJ, Sickbert-Bennett EE, Vinje J, Brown VM, MacFarquhar JK, Engel JP, Rutala WA. 2005. Lessons learned from a norovirus outbreak in a locked pediatric inpatient psychiatry unit. *Infect. Control Hosp. Epidemiol.* 26:841-843.
117. Rutala WA, Peacock JE, Gergen MF, Sobsey MD, Weber DJ. 2006. Efficacy of hospital germicides against adenovirus 8, a common cause of epidemic keratoconjunctivitis in health care facilities. *Antimicrobial Agents Chemother.* 50:1419-24. [PDF](#)
118. Rutala WA, White MS, Gergen MF, Weber DJ. 2006. Bacterial contamination of keyboards: Efficacy and functional impact of disinfectants. *Infect. Control Hosp. Epidemiol.* 27:372-7.
119. Weber DJ, WA Rutala. 2006. Use of germicides in the home and health care setting: Is there a relationship between germicide use and antimicrobial resistance. *Infect. Control Hosp. Epidemiol.* 27:1107-19.
120. Rutala WA, DJ Weber. 2007. How to assess risk of disease transmission to patients when there is a failure to follow recommended disinfection and sterilization guidelines. *Infect. Control Hosp. Epidemiol.* 28:146-155.
121. Weber DJ, EE Sickbert-Bennett, VM Brown, RH Brooks, IP Kittrell, BJ Featherstone, TL Adams, WA Rutala. 2007. Compliance with isolation precautions at a university hospital. *Infect. Control Hosp. Epidemiol.* 28:358-361.
122. Weber DJ, Rutala WA, Samsa GP, Brown V, Sickbert-Bennett EE, Neiderman MS. 2007. Microbiology of ventilator-associated pneumonia compared to non-ventilator associated hospital-acquired pneumonia. *Infect. Control Hosp. Epidemiol.* 28:825-831.
123. Rutala WA, MF Gergen, DJ Weber. 2007. Disinfection of a probe used in ultrasound-guided prostate biopsy. *Infect. Control Hosp. Epidemiol.* 28:916-919.
124. Rutala WA, MF Gergen, DJ Weber. 2007. Microbiologic evaluation of microfiber mops for surface disinfection. *Am. J. Infect. Control* 35:569-573. [PDF](#)
125. Weber DJ, Rutala WA, Sickbert-Bennett EE. 2007. Outbreaks associated with contaminated antiseptics and disinfectants. *Antimicrob. Agents Chemotherapy.* 51:4217-4224. [PDF](#)
126. Weber DJ, Sickbert-Bennett EE, Brown V, Rutala WA. 2007. Comparison of hospitalwide surveillance and targeted intensive care unit surveillance of healthcare-associated infections. *Infect. Control Hosp. Epidemiol.* 28:1361-1366.

127. Rutala WA, MF Gergen, and DJ Weber. 2008. Impact of an oil-based lubricant on the effectiveness of the sterilization processes. *Infect. Control Hosp. Epidemiol.* 29:69-72.
128. Casanova L, Alfano-Sobsey E, Rutala WA, Weber DJ, Sobsey MD. 2008. Virus transfer from personal protective equipment to healthcare employees' skin and clothing. *Emerg. Infect. Dis.* 14:1291-1293 [PDF](#)
129. Rutala WA, Weber DJ, and Healthcare Infection Control Advisory Committee. CDC guideline for disinfection and sterilization in health-care facilities, 2008. [www.cdc.gov](http://www.cdc.gov)
130. Weber DJ, Peppercorn A, Miller AB, Sickbert-Bennett E, Rutala WA. 2009. Preventing healthcare-associated *Aspergillus* infections: Review of recent CDC/HICPAC recommendations. *Medical Mycology.* 9:1-11. [PDF](#)
131. Casanova L, Rutala WA, Weber DJ, Sobsey MD. 2009. Methods for the recovery of a model virus from healthcare personal protective equipment. *J. Appl. Microbiol.* 106:1244-1251. [PDF](#)
132. Casanova L, Rutala WA, Weber DJ, Sobsey MD. 2009. Survival of surrogate coronaviruses in water. *Water Research* 43:1893-8. [PDF](#)
133. Weber DJ, Brown, V, Huslage K, Sickbert-Bennett E, WA Rutala. 2009. Device related infections in home health and hospice: Infection rates, 1998-2008. *Infect. Control Hosp. Epidemiol.* 30:1022-1024.
134. Weber DJ, Hoffmann K, Rutala WA. 2009. Control of healthcare-associated *Staphylococcus aureus*: Survey of practices in North Carolina Hospitals. *Infect. Control Hosp. Epidemiol.* 30: 909-911.
135. Rutala WA, Weber DJ. 2010. Guideline for disinfection and sterilization of prion-contaminated medical instruments. *Infect. Control Hosp. Epidemiol.* 31:107-117.
136. Casanova L, Jeon S, Rutala WA, Weber DJ, Sobsey MD. 2010. Effects of temperature and humidity on coronavirus survival on surfaces. *Appl. Environ. Microbiol.* 76:2712-7. [PDF](#)
137. Casanova L, Rutala WA, Weber DJ, Sobsey MD. 2010. Coronavirus survival on healthcare personal protective equipment. *Infect. Control Hosp. Epidemiol.* 31:560-561.
138. Weber DJ, Rutala WA, Miller MB, Huslage K, Sickbert-Bennett EE. 2010. Role of surfaces in the transmission of emerging healthcare-associated pathogens: Norovirus, *C. difficile*, *Acinetobacter* spp. *Am. J. Infect. Control*;38:S25-33. [PDF](#)
139. Weber DJ, Consoli S, Sickbert-Bennett E, Miller M, Rutala WA. 2010. Susceptibility to measles, mumps and rubella in newly hired healthcare workers born before 1957, 2006-2008. *Infect. Control Hosp. Epidemiol.* 31:655-657.
140. Huslage K, Rutala WA, Sickbert-Bennett E, Weber DJ. 2010. A quantitative approach to defining high-touch surfaces in hospitals. *Infect. Control Hosp. Epidemiol.* 31:850-853.
141. Weber DJ, Rutala WA, Schaffner W. 2010. Lessons learned: Protection of healthcare workers from infectious disease risks. *Critical Care Med.* 38:S306-S314. [PDF](#)
142. Weber DJ, Brown V, Sickbert-Bennett E, Rutala WA. 2010. A sustained and prolonged reduction in central line-associated bloodstream infections as a result of multiple interventions. *Infect. Control Hosp. Epidemiol.* 31:875-877

143. Weber DJ, Miller M, Brooks BH, Brown VM, Rutala WA. 2010. Healthcare worker with "pertussis": Consequences of a false-positive polymerase chain reaction test result. *Infect. Control Hosp. Epidemiol.* 31:306-307.
144. Rutala WA, Gergen MF, Weber DJ. 2010. Room decontamination by UV radiation. *Infect. Control Hosp. Epidemiol.* 31:1025-1029.
145. Hulkower RL, Casanova LM, Rutala WA, Weber DJ, Sobsey MD. 2011. Inactivation of surrogate coronaviruses on hard surfaces by health care germicides. *Am. J. Infect. Control*;39:401-7. [PDF](#)
146. Petersen B, Chennat J, Cohen J, Cotton PB, Greenwald DA, Kowalski TE, Krinsky ML, Park WG, Pike IM, Romagnuolo J, Rutala WA. 2011. Multisociety guideline on reprocessing flexible GI endoscopes: 2011. *Infect. Control Hosp. Epidemiol.* 21:527-537
147. Weber DJ, Sickbert-Bennett EE, CV Gould, VM Brown, WA Rutala. 2011. Incidence of catheter-associated and non-catheter-associated urinary tract infections in a healthcare system. *Infect. Control Hosp. Epidemiol.* 32:822-823.
148. Weber DJ, Consoli SA, Sickbert-Bennett E, Rutala WA. 2012. Assessment of a "mandatory" tetanus, diphtheria and pertussis vaccination requirement on vaccine uptake over time. *Infect. Control Hosp. Epidemiol.* 33:81-83. [PDF](#)
149. Casanova L, Rutala WA, Weber DJ, Sobsey MD. 2012. Effect of single- versus double-gloving on virus transfer to healthcare workers' skin and clothing during removal or personal protective equipment. *Am. J. Infect. Control.* 40:369-374. [PDF](#)
150. Rutala WA, Gergen MF, Weber DJ. 2012 Disinfection of an infrared coagulation device used to treat hemorrhoids. *Am. J. Infect. Control.* 40:78-79. [PDF](#)
151. Rowe EC, Savage SW, Rutala WA, Weber DJ, Gergen-Teague M, Eckel SF. 2012. Economic and microbiologic evaluation of single-dose vial extension for hazardous drugs. *J Oncology Practice.* [PDF](#)
152. Kang J, Sickbert-Bennett EE, Brown VM, Weber DJ, Rutala WA. 2012. Relative frequency of healthcare-associated pathogens by infection site at a university hospital from 1980 to 2008. *Am. J. Infect. Control.* 40:416-420. [PDF](#)
153. Weber DJ, Sickbert-Bennett EE, Brown VM, Rutala WA. 2012. Completeness of surveillance data reported by the National Healthcare Safety Network: An analysis of healthcare-associated infections ascertained in a tertiary care hospital, 2010. *Infect. Control Hosp. Epidemiol.* 33:94-95. [PDF](#)
154. Weber DJ, WA Rutala. 2012. Self-disinfecting surfaces. *Infect. Control Hosp. Epidemiol.* 33:10-13.
155. Weber DJ, WA Rutala. 2012. Lessons learned from outbreaks and pseudo-outbreaks associated with bronchoscopy. *Infect. Control Hosp. Epidemiol.* 33:224-229. [PDF](#)
156. Weber DJ, Kang J, Brown VM, Sickbert-Bennett EE, Rutala WA. 2012. Preventing catheter-associated urinary tract infections: Hospital location of catheter insertion. *Infect. Control Hosp. Epidemiol.* 33:1057-8. [PDF](#)
157. Rutala WA, Gergen MF, Weber DJ. 2012. Efficacy of improved hydrogen peroxide against important healthcare-associated pathogens. *Infect Control Hosp. Epidemiol.* 33:1159-61. [PDF](#)



158. Rutala WA, Gergen MF, Weber DJ. 2012. Efficacy of different cleaning and disinfection methods against *Clostridium difficile* spores: Importance of physical removal versus sporicidal inactivation. *Infect Control Hosp Epidemiol.* 33:1255-58.[PDF](#)
159. Kanamori H, Weber DJ, Sickbert-Bennett EE, Brown V, Kaku M, Rutala WA. 2012. Descriptive analysis of healthcare-associated infections other than bloodstream, respiratory, urinary tract or surgical site infections, 2001-2011. *Infect Control Hosp Epidemiol.* 33:1276-78. [PDF](#)
160. Huslage K, Rutala WA, Gergen MF, Sickbert-Bennett EE, Weber DJ. 2013. Microbial assessment of high, medium and low-touch hospital room surfaces. *Infect Control Hosp Epidemiol.* 34:211-212. [PDF](#)
161. Rutala WA and Weber DJ. 2013. Disinfection and Sterilization: An Overview. *Am J Infect Control.* 41 (Supplement):S2-S5. [PDF](#)
162. Weber DJ, Rutala WA. 2013. Self-disinfecting surfaces: Review of current methodologies and future prospects. *Am J Infect Control.* 41 (Supplement):S31-S35. [PDF](#)
163. Rutala WA, Weber DJ. 2013. Disinfectants used for environmental disinfection and new room decontamination technology. *Am J Infect Control.* 41 (Supplement):S36-S41. [PDF](#)
164. Rutala WA, Weber DJ. 2013. New developments in reprocessing semicritical items. *Am J Infect Control.* 41 (Supplement):S60-S66. [PDF](#)
165. Weber DJ and Rutala WA. 2013. Assessing the risk of disease transmission to patients when there is a failure to follow recommended disinfection and sterilization guidelines. *Am J Infect Control.* 41 (Supplement):S67-S71. [PDF](#)
166. Weber DJ, DJ Anderson, DJ Sexton and Rutala WA. 2013. Role of the environment in the transmission of *Clostridium difficile* in health care facilities. *Am J Infect Control.* 41 (Supplement):S105-S110. [PDF](#)
167. Rutala WA, Gergen MF, Tande BM, Weber DJ. 2013. Rapid hospital room decontamination using ultraviolet (UV) light with a nanostructured UV-reflective wall coating. *Infect Control Hosp Epidemiol.* 34:527-529.
168. Anderson DJ, Gergen MF, Smathers E, Sexton DJ, Weber DJ, Rutala WA, CDC Prevention Epicenter Programs. 2013. Decontamination of targeted pathogens from patient rooms using an automated ultraviolet-C emitting device. *Infect Control Hosp Epidemiol.* 34:466-471. [PDF](#)
169. Anderson DJ, Pyatt DG, Weber DJ, Rutala WA. Statewide costs of healthcare-associated infections: Estimates for acute care hospitals in North Carolina. *Am J Infect Control.* 42:764-8. [PDF](#)
170. Weber, D.J., D. Anderson, and W.A. Rutala, The role of the surface environment in healthcare-associated infections. *Curr Opin Infect Dis*, 2013. **26**(4): p. 338-44. [PDF](#)
171. DiBiase LM, Weber DJ, Sickbert-Bennett EE, Anderson DJ, Rutala WA. 2014. The growing importance of non-device associated healthcare-associated infections: A relative proportion and incidence study at an academic medical center, 2008-2012. *Infect Control Hosp Epidemiol.* 35:200-202. [PDF](#)

172. Donskey CJ, Yowler M, Ellis J, Falck-Ytter Y, Salatta RA, Rutala WA. Real-time evaluations of the risk of disease transmission associated with the failure to follow recommended sterilization procedures. *Antimicrob Resist Infect Control*, 2014. 3:4 [PDF](#)
173. DiBiase LM, Weber DJ, Sickbert-Bennett EE, Denniston C, Rutala WA. 2014. "July Effect": Impact of the academic year-end changeover on incidence of healthcare-associated infections. *Infect Control Hosp Epidemiol*. 35:321-322.
174. Rutala WA, Weber DJ, Gergen MF, Tande BM, Sickbert-Bennett EE. 2014. Does coating all room surfaces with an ultraviolet-light C nanoreflective coating improve decontamination compared to coating only the walls? *Infect Control Hosp Epidemiol*. 35:323-325
175. Kang, J., et al., Survey of North Carolina hospital policies regarding visitor use of personal protective equipment for entering the rooms of patients under isolation precautions. *Infect Control Hosp Epidemiol*, 2014. **35**(3): p. 259-64.
176. Rutala WA, Gergen MF, Sickbert-Bennett EE, Williams DA, Weber DJ. 2014. Effectiveness of improved hydrogen peroxide to decontaminate privacy curtains contaminated with multidrug-resistant pathogens. *Am J Infect Control*. 42:426-428.[PDF](#)
177. Knelson LP, Williams DA, Gergen MF, Rutala WA, Weber DJ, Sexton DJ, Anderson DJ. 2014. A comparison of environmental contamination by patients infected or colonized with MRSA or VRE: A multicenter study. *Infect Control Hosp Epidemiol*. 35:872-875. [PDF](#)
178. Rutala WA, Gergen MF, Weber DJ. 2014. Efficacy of a washer-disinfector in eliminating healthcare-associated pathogens from surgical instruments. *Infect Control Hosp Epidemiol*. 35:883-885.[PDF](#)
179. Rutala WA, Weber DJ. 2014. Selection of the ideal disinfectant. *Infect Control Hosp Epidemiol*. 35:855-865.
180. Kang JH, Sickbert-Bennett EE, Brown VM, Weber DJ, Rutala WA. 2014. Changes in the incidence of healthcare-associated infections by pathogen at a university hospital from 2005 to 2011. *Am J Infect Control*. 42:770-775.[PDF](#)
181. Rutala WA, Gergen MF, Weber DJ. 2014. Microbial contamination on used surgical instruments. *Infect Control Hosp Epidemiol*. 35:1068-70
182. Rutala WA, Gergen MF, Tande BM, Weber DJ. 2014. Room decontamination using a UVC device with short UV exposure time. *Infect Control Hosp Epidemiol*. 35:1070-1072.
183. vanDuin D, Jones SW, DiBiase L, Schmits G, Lachiewicz A, Hultman CS, Rutala WA, Weber DJ, Cairns BA. 2014. Reduction in central-line associated bloodstream infections in patients with burns. *Infect Control Hosp Epidemiol*. 35:1066-1068.
184. Rutala WA and DJ Weber. 2014. Endoscope Reprocessing: A Need for a Shift from Disinfection to Sterilization. *JAMA*. 312:1405-1406.
185. Weber DJ, Gergen MF, Sickbert-Bennett EE, Short KA, Lanza-Kaduce KE, Rutala WA. 2014. Frequency of contamination of single-patient use nebulizers over time. *Infect Control Hosp Epidemiol*. 35:1543-6.
186. Weber DJ, VanDuin D, DiBiase LM, Hultman CS, Jones SW, Lachiewicz AM, Sickbert-Bennett EE, Brooks RH, Cairns BA, Rutala WA. 2014. Healthcare-associated infections among patients



- in a large burn intensive care unit: incidence and pathogens, 2008-2012. *Infect Control Hosp Epidemiol.* 35:1304-6.
187. Lachiewicz AM, van Duin D, DiBiase LM, Jones SW, Carson S, Rutala WA, Cairns BA, Weber DJ. 2015. Rates of hospital-associated respiratory infections and associated pathogens in a regional burn center, 2008-2012. *Infect Control Hosp Epidemiol.* 36:601-603. [PDF](#)
  188. Weber DJ, Rutala WA, Kanamori H, Gergen MF, Sickbert-Bennett EE. 2015. Carbapenem-resistant *Enterobacteriaceae*: Frequency of hospital room contamination and survival on various inoculated surfaces. *Infect Control Hosp Epidemiol.* 36:590-3. [PDF](#)
  189. Kanamori H, Rutala WA, Sickbert-Bennett, EE, Weber DJ. 2015. Review of fungal outbreaks and infection prevention in healthcare settings during construction and renovation. *Clin Infect Dis.* 61:433-44 [PDF](#)
  190. Rutala WA and Weber DJ. 2015. ERCP Scopes: What Can Be Done To Prevent Infections? *Infect Control Hosp Epidemiol.* 36-643-8. [PDF](#)
  191. Kanamori H, Weber DJ, DiBiase LM, Sickbert-Bennett EE, Brooks R, Teal L, Williams D, Walters E, Bringhurst J, Goldbach S, Gergen MF, Powell A, Huslage K, Rutala WA. 2015. Longitudinal trends in all healthcare-associated infections through comprehensive hospital-wide surveillance and infection control measures over the past 12 years: Substantial burden of healthcare-associated infections outside of intensive care units and “other” types of infections. *Infect Control Hosp Epidemiol*, Epub [PDF](#)
  192. Weber DJ, Fischer WA II, Wohl DA, Rutala WA. 2015 Protecting healthcare personnel against acquisition of Ebola virus diseases. *Infection Control Hosp Epidemiol.* 36:1229-1232.
  193. Weber DJ, Pitman KL, Hill J, Consoli SA, Gandhi PT, Kanamori H, Sickbert-Bennett EE, Rutala WA. Incidence of communicable disease exposures to healthcare personnel at an academic acute care hospital. *Am J Infect Control.* In press.
  194. Rutala WA, Gergen MF, Bringhurst J, Weber DJ. Effective high-level disinfection of cystoscopes: Is perfusion of channels required? *Infect Control Hosp Epidemiol.* In press.
  195. Rutala WA, Weber DJ. Outbreaks of carbapenem-resistant *Enterobacteriaceae* infections associated with duodenoscopes: What can we do to prevent infections? *Am J Infect Control.* In press.
  196. Rutala WA, Weber DJ. Disinfection, sterilization and antisepsis: an overview. *Am J Infect Control.* In press.
  197. Rutala WA, Weber DJ. Monitoring and improving the effectiveness of surface cleaning/disinfection. *Am J Infect Control.* In press.
  198. Weber DJ, Rutala WA and Fried MW. Hepatitis C virus outbreaks in hemodialysis: a continuing problem. *Infect Control Hosp Epidemiol.* In press
  199. Rutala WA, Gergen MF, Sickbert-Bennett EE. Effectiveness of a hydrogen peroxide mist (Tropon®) System in inactivating healthcare pathogens on surface and endocavitary probes. Submitted for publication.
  200. Weber DJ, Consoli S, Rutala WA. Occupational health risk associated with the use of germicides in healthcare. *Am J Infect Control.* In press

201. Weber DJ, Rutala WA, Anderson DJ, Chen LF, Sickbert-Bennett EE, Boyce JM. Effectiveness of UV devices and hydrogen peroxide systems for terminal room decontamination: Focus on clinical trials. *Am J Infect Control*. In press.
202. Weber DJ, Rutala WA, Fischer WA, Kanamori H, Sickbert-Bennett E. Emerging infectious diseases: Focus on Infection control issues for novel coronaviruses (SARS-CoV, MERS-CoV), hemorrhagic Fever viruses (Lassa, Ebola), and highly pathogenic avian influenza viruses A(H5N1) and A(H7N9). *Am J Infect Control*. In press.
203. Kaminiski KS, Rowe EC, Rutala WA, Gergen-Teague M, Weber DJ, Savage SW, Eckel SF. Evaluation of microbial growth in various antineoplastic and monoclonal antibody drug solutions. Submitted for publication.
204. Weber DJ, Rutala WA, Miller M, Cairns B, Brown V, Gergen M, Brooks B, Peppercorn A. An outbreak of multidrug-resistant *Acinetobacter* controlled through enhanced infection control measures. Submitted for publication.
205. Feinberg R, Weber DJ, DiBiase L, Sickbert-Bennett E, Rutala WA. Five-year trends in pediatric healthcare-associated infections: A review of data from a large academic hospital. Submitted for publication.
206. Kanamori H, Parobek CM, van Duin D, Weber DJ, Rutala WA, Juliano JJ. Whole-genome sequencing and comparative analysis of sequential outbreaks caused by multidrug-resistant *Acinetobacter baumannii* at a large academic burn center. Submitted for publication.
207. Sickbert-Bennett EE, DiBiase LM, Willis TMS, Wolak ES, Weber DJ, Spears TG, Rutala WA. Semmelweis and your mother were right! Improved hand hygiene does reduce infections. Submitted for publication.
208. Sickbert-Bennett EE, DiBiase LM, Willis TMS, Wolak ES, Weber DJ, Rutala WA. Reducing healthcare-associated infections by implementing a novel "all hands on deck" approach for hand hygiene compliance. Submitted for publication.
209. Kanamori H, Weber DJ, DiBiase LM, Pitman KL, Consoli SA, Hill J, Sickbert-Bennett EE, Rutala WA. Impact of safety-engineered devices on the incidence of occupational blood and body fluid exposures among healthcare personnel in an academic facility, 2000-2014. Submitted for publication.
210. Van Duin D, Strassle PD, DiBiase L, Lachiewicz AM, Rutala WA, Weber DJ, Cairns BA, Napravnik S, Jones SW. Timeline of infections after burn injuries. Submitted for publication.

### **Books**

211. Weber DJ and WA Rutala (editors). *Nosocomial Infections: Current Issues and New Strategies for Prevention*. Infectious Disease Clinics of North America. Volume 4, December 1989. WB Saunders, Philadelphia.
212. Rutala WA (editor). *Chemical Germicides in Health Care*. Polyscience Publications, Quebec, Canada. 1995. 312 pages.
213. Rutala WA and DJ Weber (editors). *Nosocomial Infections: Current Topics*. Infectious Disease Clinics of North America. Volume 11, June 1997. WB Saunders, Philadelphia.

214. Rutala WA (editor). *Disinfection, Sterilization and Antisepsis in Health Care*. Polyscience Publications, Champlain, NY. 1998. 292 pages.
215. Rutala WA (editor). *Disinfection, Sterilization, and Antisepsis: Principles and Practices in Healthcare Facilities*. Association for Professionals in Infection Control and Epidemiology, Washington, DC. 2001. 233 pages.
216. Rutala WA (editor). *Disinfection, Sterilization, and Antisepsis: Principles, Practices, Challenges, and New Research*. Association for Professionals in Infection Control and Epidemiology, Washington, DC. 2004. 232 pages.
217. Rutala WA (editor). *Disinfection, Sterilization and Antisepsis: Principles, Practices, Current Issues, and New Research*. Association for Professionals in Infection Control and Epidemiology, Washington, DC. 2007. 281 pages.
218. Rutala WA (editor). *Disinfection, Sterilization, and Antisepsis: Principles, Practices, Current Issues, New Research, and New Technology*. Association for Professionals in Infection Control and Epidemiology, Washington, DC. 2010. 428 pages.
219. Rutala WA and DJ Weber. *Disinfection, Sterilization and Antisepsis: Current Issues, New Research, and New Technologies*. *Am J Infection Control* 2013;41:S1-S117 (Supplement)

#### **Contributions to Textbooks**

220. Rutala WA and OH Soule. 1983. Hospital solid waste. *In* Soule, BM, editor: *The APIC curriculum for infection control practice*. Kendall/Hunt, Dubuque, Iowa, pp. 543-551.
221. Rutala WA. 1987. Disinfection, sterilization and waste disposal. *In* Wenzel RP, editor: *Prevention and control of nosocomial infections*. Williams and Wilkins, Baltimore. pp. 257-282.
222. Rutala WA and DJ Weber. 1987. Environmental issues and nosocomial infections. *In* Farber BF, editor: *Infection control in intensive care*. Churchill Livingstone, New York. pp. 131-172.
223. Rutala WA. 1988. Hazardous waste disposal. *In* Berg R, editor: *The APIC curriculum for infection control practice*. Volume 3. 1155-1158.
224. Weber DJ and WA Rutala. 1989. Epidemiology of hospital-acquired fungal infections. *In* Holmberg K, Meyer RD: *Diagnosis and therapy of systemic fungal infections*. Raven Press, New York. pp. 1-24.
225. Weber DJ and WA Rutala. 1991. Public health for medical staff. *In* Yamada T, Alpers DH, Owyang C, Powell DW, Silverstein FE (eds): *Textbook of Gastroenterology*. JB Lippincott Company, Philadelphia. pp. 1042-1064.
226. Rutala WA. Disinfection, sterilization and waste disposal. 1993. *In* Wenzel RP, editor: *Prevention and control of nosocomial infections*. Williams and Wilkins, Baltimore. pp. 460-495.
227. Weber DJ and WA Rutala. 1993. Environmental reservoirs of infectious agents. *In* Wenzel RP, *Prevention and control of nosocomial infections*. Williams and Wilkins, Baltimore. pp. 420-449.
228. Weber DJ and WA Rutala. 1994. Infection control in critical care units. *In* Moylan, *Surgical Critical Care*. Mosby, St. Louis. pp.807-843.

229. Rutala WA and DJ Weber. 1995. Chemical germicides use in the United States: 1994 and Beyond. In Rutala WA. Chemical Germicides in Health Care, Polyscience Publications. Quebec, Canada. pp. 1-22.
230. Weber DJ and WA Rutala. 1995. The use of metals as microbicides in the prevention of nosocomial infections. In Rutala WA. Chemical Germicides in Health Care, Polyscience Publications. Quebec, Canada. pp. 271-286.
231. Rutala WA. 1995. Antisepsis, disinfection and sterilization in the hospital and related institutions. In Balows A, Manual of Clinical Microbiology, ASM, Washington DC. 227-245.
232. Weber DJ and WA Rutala. 1996. Nosocomial infections associated with respiratory therapy. In Mayhall CG, Hospital Epidemiology and Infection Control. Williams and Wilkins, Baltimore. 748-758.
233. Weber DJ, AS Baker, WA Rutala. 1996. Epidemiology and prevention of nosocomial infections associated with animals in the hospital. In Mayhall CG, Hospital Epidemiology and Infection Control. Williams and Wilkins, Baltimore. 1109-1126.
234. Rutala WA. 1996. Selection and use of disinfectants in health care. In Mayhall CG, Hospital Epidemiology and Infection Control. Williams and Wilkins, Baltimore. 913-936.
235. Weber DJ, KH Hoffmann, WA Rutala. 1996. Infection control in gene therapy. In Mayhall CG, Hospital Epidemiology and Infection Control. Williams and Wilkins, Baltimore. 794-797.
236. Weber DJ, AS Baker and WA Rutala. 1996. Nosocomial ocular infections. In Mayhall CG, Hospital Epidemiology and Infection Control. Williams and Wilkins, Baltimore. 237-246.
237. Rutala WA and KM Shafer. 1996. Cleaning, disinfection and sterilization, In Olmstead R, editor: The APIC curriculum for infection control practice. Mosby, St. Louis. 15-1-15-7.
238. Rutala WA. Disinfection, sterilization and waste disposal. 1997. In Wenzel RP, edition: Prevention and control of nosocomial infections. Williams and Wilkins, Baltimore. pp. 539-593.
239. Weber DJ and WA Rutala. 1997. Environmental reservoirs of infectious agents. In Wenzel RP, editor: Prevention and control of nosocomial infections. Williams and Wilkins, Baltimore. pp. 491-514.
240. Weber DJ, WA Rutala and CG Mayhall. 1998. Nosocomial respiratory tract infections and gram-negative pneumonia. In Fishman AP, 3rd edition, Pulmonary Diseases and Disorders. McGraw-Hill, NY. pp. 2213-2233.
241. Rutala WA. 1998. Disinfection and sterilization of patient care items. In Herwaldt LA and Decker MD, editors. A practical handbook for hospital epidemiologists. Slack Inc., Thorofare, NJ. pp. 271-280.
242. Rutala WA and DJ Weber. 1998. Principles of disinfection. In Rutala WA, Sterilization, Disinfection and Antisepsis in Health Care, Polyscience Publications, Champlain, New York. pp.133-150.
243. Weber DJ and WA Rutala. 1998. Occupational risks associated with the use of selected disinfectants and sterilants. In Rutala WA. Sterilization, Disinfection and Antisepsis in Health Care, Polyscience Publications, Champlain, NY. pp. 211-226.

244. Rutala WA and DJ Weber. 1999. Low-temperature sterilization technologies. In Morrissey RF, and JB Kowalski. Sterilization of Medical Products, Polyscience Publications, Champlain, NY. pp. 301-312.
245. Weber DJ, K Weigle and WA Rutala. 1999. Vaccines for healthcare workers. In Plotkin SA and WA Orenstein, editors. Vaccines. 3<sup>rd</sup> edition. WB Saunders, Philadelphia. pp. 1107-1130.
246. Weber DJ and WA Rutala. Zoonotic infections. 1999. In Langley RL, Occupational Medicine: Animal Handlers. Hanley & Belfus Medical Publishers, Philadelphia. pp.247-284
247. Weber DJ, M Durand and WA Rutala. Nosocomial ocular infections. 1999. In Mayhall CG, Hospital Epidemiology and Infection Control. Lippincott Williams & Wilkins, New York. pp. 287-300.
248. Weber DJ and WA Rutala. 1999. Epidemiology and prevention of nosocomial infections associated with animals in the hospital. In Mayhall CG, Hospital Epidemiology and Infection Control. Lippincott Williams & Wilkins, New York. pp. 1399-1422.
249. Weber DJ and WA Rutala. 1999. Nosocomial infections associated with respiratory therapy. In Mayhall CG, Hospital Epidemiology and Infection Control. Lippincott Williams & Wilkins, New York. pp. 959-972.
250. Israel BF, DJ Weber and WA Rutala. Infection control in gene therapy. 1999. In Mayhall CG, Hospital Epidemiology and Infection Control. Lippincott Williams & Wilkins, New York. pp. 1015-1020.
251. Rutala WA. Selection and use of disinfectants in health care. 1999. In Mayhall CG, ed. Hospital Epidemiology and Infection Control. Lippincott Williams & Wilkins, New York. pp. 1161-1189.
252. Weber DJ and WA Rutala. 2000. A varicella immunization program. In Poland GA, Schaffner W, Pugliese G editors. Immunizing Healthcare Workers: A Practical Approach. Society for Healthcare Epidemiology of America, Thorofare, NJ. pp. 243-260.
253. Weber DJ, K. Weigle and WA Rutala. 2000. Immunization of healthcare workers with altered host defenses. In Poland GA, Schnaffer W, Pugliese G, editors. Immunizing Healthcare Workers: A Practical Approach. Society for Healthcare Epidemiology of America, Thorofare, NJ. pp.193-208.
254. Weber DJ and WA Rutala. 2000. Systemic infections in animals. In Schlossberg D, Current Therapy of Infectious Diseases. Mosby, St. Louis, Missouri. pp. 306-310.
255. Rutala WA and DJ Weber. 2000. Cleaning, disinfection and sterilization. In APIC Text of Infection Control and Epidemiology. APIC, Washington, DC, 55-1 - 55-60.
256. Weber DJ and WA Rutala. 2000. Varicella immunization of health care workers. In Panlilio and DM Cardo, editors. Bailliere's Clinical Infectious Diseases. Prevention strategies for health care workers. Harcourt, London, pp. 405-419.
257. Weber DJ and WA Rutala. 2001. Use of metals as microbicides. In Block SS, editor. Disinfection, Sterilization and Preservation. 6<sup>th</sup> edition. Lea & Febiger, Philadelphia. 415-430.
258. Weber DJ and WA Rutala. 2001. Biologic basis of infectious diseases. In Thomas J, Weber DJ, Epidemiologic Methods for the Study of Infectious Disease Epidemiology, Oxford University Press, New York, 3-27.

259. Rutala WA and DJ Weber. 2001. New technologies in disinfection and sterilization. In Rutala WA, editor. Disinfection, Sterilization, and Antisepsis in Health Care: Principles and Practices in Healthcare, APIC, Washington DC, pp. 97-109.
260. Rutala WA and DJ Weber. 2001. An overview of the use of chemical germicides. In Rutala WA, editor. Disinfection, Sterilization, and Antisepsis in Health Care: Principles and Practices in Healthcare, APIC, Washington DC, pp. 1-15.
261. Weber DJ and WA Rutala. 2001. Disinfection and environmental survival of emerging pathogens. In Rutala WA, editor. Disinfection, Sterilization, and Antisepsis in Health Care: Principles and Practices in Healthcare, APIC, Washington DC, pp. 120-129.
262. Rutala WA and DJ Weber. 2001. Management of equipment contaminated with Creutzfeldt-Jakob Disease. In Rutala WA, editor. Disinfection, Sterilization, and Antisepsis in Health Care: Principles and Practices in Healthcare, APIC, Washington DC, pp. 167-172.
263. Weber DJ, Rutala WA, DiMarino Jr. 2002. Prevention of infection following gastrointestinal endoscopy: The importance of prophylaxis and reprocessing. In DiMarino AJ, Benjamin SB, editors. Gastrointestinal Diseases: An Endoscopic Approach. Slack, Thorofare, NJ, pp. 87-106.
264. Rutala WA. 2002. Flash sterilization and sterilization monitoring. In APIC Text of Infection Control and Epidemiology. APIC, Washington, DC, 55B-1 – 55B-5.
265. Rutala WA, Weber DJ. 2003. Modern advances in disinfection, sterilization and medical waste management. In Wenzel RP, editor. Prevention and Control of Nosocomial Infections. 4<sup>th</sup> edition. Lippincott Williams & Wilkins, pp. 542-574.
266. Weber DJ, Rutala WA. 2003. The environment as a source of nosocomial infections. In Wenzel RP, editor. Prevention and Control of Nosocomial Infections. 4<sup>th</sup> edition. Lippincott Williams & Wilkins, pp. 575-597.
267. Weber DJ, Rutala WA. Tuberculosis. 2003. Netter's Internal Medicine. In Runge MS, Greganti MA. Icon Learning Systems, Teterboro, NJ. 535-544.
268. Weber DJ, Rutala WA. Infectious diseases in travelers. 2003. Netter's Internal Medicine. In Runge MS, Greganti MA. Icon Learning Systems, Teterboro, NJ. 496-502.
269. Weber DJ, Dolan MS, Rutala WA. 2003. Infections and infectious exposures in pregnancy. In MD Perlman, JE Tintinalli, PL Dyne, editors. Obstetrics and Gynecologic Emergencies: Diagnosis and Management. McGraw Hill, New York. 225-262.
270. Weber DJ, Wohl DA, Rutala WA. 2003. Rabies. In J Tintinalli, GD Kelen, JS Stapczynski, editors. Emergency Medicine. McGraw Hill. 946-952.
271. Weber DJ, WA Rutala. 2003. Immunization of immune-compromised persons. Immunology and Allergy Clinics of North America. In: GA Poland, editor. Vaccines in the 21<sup>st</sup> Century. WB Saunders Company, Philadelphia. 23:605-634.
272. Rutala WA, DJ Weber. 2004. Selection and use of disinfectants in health care. In Mayhall CG, ed. Hospital Epidemiology and Infection Control. Lippincott Williams & Wilkins, New York. 1473-1522.

273. DJ Weber, WA Rutala. 2004. Epidemiology and prevention of nosocomial infections associated with animals in the hospital. *In* Mayhall CG, ed. Hospital Epidemiology and Infection Control. Lippincott Williams & Wilkins, New York. 1787-1808.
274. DJ Weber, ME Evans, WA Rutala. 2004. Infection control in gene therapy. *In* Mayhall CG, ed. Hospital Epidemiology and Infection Control. Lippincott Williams & Wilkins, New York. 1279-1288.
275. Durand M, DJ Weber DJ, WA Rutala. Nosocomial ocular infections. 2004. *In* Mayhall CG, ed. Hospital Epidemiology and Infection Control. Lippincott Williams & Wilkins, New York. 401-414.
276. Kaye KS, DJ Weber, WA Rutala. 2004. Nosocomial infections associated with respiratory therapy. *In* Mayhall CG, ed. Hospital Epidemiology and Infection Control. Lippincott Williams & Wilkins, New York. 1207-1222.
277. Rutala WA, DJ Weber. 2004. Disinfection and sterilization in healthcare facilities: Draft CDC Guidelines. *In* Rutala WA, editor. Disinfection, Sterilization, and Antisepsis: Principles, Practices, Challenges, and New Research. Association for Professionals in Infection Control and Epidemiology, Washington, DC. 42-75.
278. Rutala WA, DJ Weber. 2004. Surface disinfection: Should we do it? *In* Rutala WA, editor. Disinfection, Sterilization, and Antisepsis. Principles, Practices, Challenges, and New Research. Association for Professionals in Infection Control and Epidemiology, Washington, DC. 216-225.
279. Rutala WA, DJ Weber. 2004. Disinfection and sterilization of tissue. *In* Rutala WA, editor. Disinfection, Sterilization, and Antisepsis. Principles, Practices, Challenges, and New Research. Association for Professionals in Infection Control and Epidemiology, Washington, DC. 158-161.
280. Weber DJ, WA Rutala. 2004. Disinfection and sterilization of potential bioterrorism agents. *In* Rutala WA, editor. Disinfection, Sterilization, and Antisepsis. Principles, Practices, Challenges, and New Research. Association for Professionals in Infection Control and Epidemiology, Washington, DC. 86-103.
281. Rutala WA and DJ Weber. 2004. Prions and processing of reusable medical devices: United States perspective. *In* Morrissey RF, and JB Kowalski. International Kilmer Conference Proceedings, Polyscience Publications, Laval, Canada. 128-148.
282. Rutala WA, DJ Weber. 2005. Disinfection, sterilization and control of hospital waste. *In* GL Mandell, JE Bennett, R Dolan, editors. Principles and Practice of Infectious Diseases, Elsevier, Philadelphia. 3331-3346.
283. Weber DJ, Cohen MS, WA Rutala. 2005. The acutely ill patient with fever and rash. *In* GL Mandell, JE Bennett, R Dolan, editors. Principles and Practice of Infectious Diseases, Elsevier, Philadelphia. 729-746.
284. Weber DJ, Rutala WA. 2005. Zoonoses. *In* BS Levy, GR Wagner, KM Rest, JL Weeks, editors. Preventing occupational disease and injury. American Public Health Association. 506-523.
285. Rutala WA, DJ Weber. 2004. The hospital environment. Wenzel R, Brewer T, Butzler J-P, editors. Guide to Infection Control in the Hospital. International Society for Infectious Diseases, Boston. 13-20.
286. Rutala WA and DJ Weber. 2005. Cleaning, disinfection and sterilization in health care facilities. *In* APIC Text of Infection Control and Epidemiology. APIC, Washington, DC. 21.1-21.12

287. Rutala WA and DJ Weber. 2006. Disinfection and sterilization in health-care facilities. In Jarvis WR, editor. Hospital Infections. Lippincott Williams & Wilkins, Philadelphia, PA.
288. Rutala WA and DJ Weber. 2007. How to assess risk of disease transmission to patients when there is a failure to follow recommended disinfection and sterilization practices. In Rutala WA, editor. Disinfection, Sterilization, and Antisepsis: Principles, Practices, Current Issues and New Research. Association for Professionals in Infection Control and Epidemiology, Washington, DC. 221-236.
289. Rutala WA and DJ Weber. 2007. An overview of disinfection and sterilization in health care facilities. In Rutala WA, editor. Disinfection, Sterilization, and Antisepsis: Principles, Practices, Current Issues and New Research. Association for Professionals in Infection Control and Epidemiology, Washington, DC. 12-48.
290. Weber DJ, Rutala WA, Sickbert-Bennett-EE. 2007. Efficacy of medical devices impregnated with antiseptics or antibiotics for preventing healthcare-associated infections. In Rutala WA, editor. Disinfection, Sterilization, and Antisepsis: Principles, Practices, Current Issues and New Research. Association for Professionals in Infection Control and Epidemiology, Washington, DC. 164-187.
291. Rutala WA and DJ Weber. 2007. Surface disinfection: New processes and products. In Rutala WA, editor. Disinfection, Sterilization, and Antisepsis: Principles, Practices, Current Issues and New Research. Association for Professionals in Infection Control and Epidemiology, Washington, DC. 97-106.
292. Weber DJ, Rutala WA, Sickbert-Bennett-EE. 2007. Outbreaks associated with contaminated antiseptics and disinfectants. In Rutala WA, editor. Disinfection, Sterilization, and Antisepsis: Principles, Practices, Current Issues and New Research. Association for Professionals in Infection Control and Epidemiology, Washington, DC. 49-59.
293. Weber DJ, Rutala WA. 2007. Use of germicides in the home and the healthcare setting: Is there a relationship between germicide use and antibiotic resistance? In Rutala WA, editor. Disinfection, Sterilization, and Antisepsis: Principles, Practices, Current Issues and New Research. Association for Professionals in Infection Control and Epidemiology, Washington, DC. 248-271.
294. Weber DJ and WA Rutala. 2008. Vaccines for healthcare workers. In Plotkin SA, WA Orenstein, PA Offitt, editors. Vaccines. 5th edition. Saunders Elsevier. 1453-1477.
295. Weber DJ, Leone PA, Rutala WA. 2008. Pulmonary tuberculosis. Netter's Internal Medicine. 2<sup>nd</sup> Edition. In Runge MS, Greganti MA. Saunders Elsevier, Philadelphia, PA. 725-734.
296. Weber DJ, Wohl DA, Rutala WA. 2008. Infectious diseases in travelers. Netter's Internal Medicine. 2<sup>nd</sup> Edition. In Runge MS, Greganti MA. Saunders Elsevier, Philadelphia, PA. 762-770.
297. Weber DJ, Brown V, Sickbert-Bennett EE, Rutala WA. 2008. Intravascular catheter infections. Netter's Internal Medicine. 2<sup>nd</sup> Edition. In Runge MS, Greganti MA. Saunders Elsevier, Philadelphia, PA. 689-696.
298. Weber DJ, Peppercorn A, Rutala WA. 2008. Cellulitis. Netter's Internal Medicine. 2<sup>nd</sup> Edition. In Runge MS, Greganti MA. Saunders Elsevier, Philadelphia, PA. 658-662.
299. Weber DJ, Peppercorn A, Rutala WA. 2008. Community-acquired pneumonia. Netter's Internal Medicine. 2<sup>nd</sup> Edition. In Runge MS, Greganti MA. Saunders Elsevier, Philadelphia, PA. 101-109.



300. Weber DJ, Rutala WA. Resistance in aerobic gram-positive bacilli. In Mayers DL, Sobel JD, Ouellette M, Lerner S. Antimicrobial Drug Resistance Handbook. Humana Press, In press.
301. Weber DJ, Ghneim GS and WA Rutala. 2008. Systemic infections from animals. In Schlossberg D, Clinical Infectious Diseases. Cambridge University Press. 837-843.
302. Rutala WA, DJ Weber. 2008. The hospital environment. Wenzel RP, Bearman GML, Brewer TF, Butzler J-P, editors. 4<sup>th</sup> Edition. Guide to Infection Control in the Hospital. International Society for Infectious Diseases, Boston. 14-21.
303. Rutala WA, Weber DJ. 2009. Cleaning, Disinfection and Sterilization. In Carrico R, editor. APIC Text of Infection Control and Epidemiology. APIC, Washington, DC. 21-1 to 21-27.
304. Weber DJ, Cohen MS, DS Morrell, WA Rutala. 2010. The acutely ill patient with fever and rash. In GL Mandell, JE Bennett, R Dolan, editors. Principles and Practice of Infectious Diseases, Churchill Livingstone Elsevier, Philadelphia. 791-807.
305. Rutala WA, Weber DJ. 2010. Disinfection, Sterilization and Control of Hospital Waste. In GL Mandell, JE Bennett, R Dolan, editors. Principles and Practice of Infectious Diseases, Churchill Livingstone Elsevier, Philadelphia. 3677-3695.
306. Rutala WA and DJ Weber. 2010. An overview of disinfection and sterilization. In Rutala WA, editor. Disinfection, Sterilization, and Antisepsis: Principles, Practices, Current Issues, New Research, and New Technology. Association for Professionals in Infection Control and Epidemiology, Washington, DC. 18-83.
307. Rutala WA and DJ Weber. 2010. New developments in reprocessing critical and semicritical devices. In Rutala WA, editor. Disinfection, Sterilization, and Antisepsis: Principles, Practices, Current Issues and New Research. Association for Professionals in Infection Control and Epidemiology, Washington, DC. 307-336.
308. Rutala WA and DJ Weber. 2010. Disinfection and sterilization: Successes and challenges. In Rutala WA, editor. Disinfection, Sterilization, and Antisepsis: Principles, Practices, Current Issues, New Research and New Technology. Association for Professionals in Infection Control and Epidemiology, Washington, DC. 1-17.
309. Weber DJ, WA Rutala, M Miller, K Huslage, EE Sickbert-Bennett. 2010. Role of hospital surfaces in the transmission of emerging healthcare-associated pathogens: Norovirus, *Clostridium* and *Acinetobacter* spp. In Rutala WA, editor. Disinfection, Sterilization, and Antisepsis: Principles, Practices, Current Issues, New Research and New Technology. Association for Professionals in Infection Control and Epidemiology, Washington, DC. 121-147.
310. Weber DJ, WA Rutala, V Brown, K Huslage, EE Sickbert-Bennett. 2010. Hand hygiene for reducing healthcare-associated infections: Handwashing with soap and water versus waterless alcohol-based antiseptics. In Rutala WA, editor. Disinfection, Sterilization, and Antisepsis: Principles, Practices, Current Issues, New Research and New Technology. Association for Professionals in Infection Control and Epidemiology, Washington, DC. 355-369.
311. Rutala WA and DJ Weber. Disinfection and sterilization in healthcare facilities. 2010. In: Lautenbach E, Woeltje K and Malani PN, editors. Practical Handbook for Healthcare Epidemiologists. 61-80.
312. Weber DJ, Wohl DA, Rutala WA. 2011. Rabies. In JE Tintinalli, JS Stapczynski, OJ Ma, DM Cline, RK Cydulka, GD Meckler, editors. Tintinalli's Emergency Medicine. McGraw Hill. 1049-1056.

313. Rutala WA and DJ Weber. 2011. Sterilization, high-level disinfection and environmental cleaning. In: Kaye KS, editor. Infection Disease Clinics of North America. Elsevier, Philadelphia. 25:45-76.
314. Weber DJ and WA Rutala. 2011. Central-line associated bloodstream infections: Prevention and management. In: Kaye KS, editor. Infection Disease Clinics of North America. Elsevier, Philadelphia. 25:77-102.
315. Rutala WA, DJ Weber. 2012. Selection and use of disinfectants in healthcare. In Mayhall CG, ed. Hospital Epidemiology and Infection Control. Lippincott Williams & Wilkins, New York. 1180-1212.
316. DJ Weber, WA Rutala. 2012. Epidemiology and prevention of nosocomial infections associated with animals in the hospital. In Mayhall CG, ed. Hospital Epidemiology and Infection Control. Lippincott Williams & Wilkins, New York. 1401-1417.
317. ME Evans, DJ Weber, 2012. WA Rutala. Infection control in gene transfer. In Mayhall CG, ed. Hospital Epidemiology and Infection Control. Lippincott Williams & Wilkins, New York. 1026-1034.
318. Durand M, DJ Weber DJ, WA Rutala. 2012. Nosocomial ocular infections. In Mayhall CG, ed. Hospital Epidemiology and Infection Control. Lippincott Williams & Wilkins, New York. 352-364.
319. Kaye KS, D Marchaim, DJ Weber, WA Rutala. 2012. Nosocomial infections associated with respiratory therapy. In Mayhall CG, ed. Hospital Epidemiology and Infection Control. Lippincott Williams & Wilkins, New York. 978-989.
320. Weber DJ, MS Cohen, WA Rutala. Gram-negative coccal and bacillary infections. In Freedberg IM, ed. Fitzpatrick's Dermatology in General Medicine. McGraw-Hill, New York
321. Weber DJ and WA Rutala. Vaccines for healthcare personnel. In Plotkin SA, WA Orenstein, PA Offitt, editors. Vaccines. 6th edition. WB Saunders, Philadelphia. pp.
322. Weber DJ, Wohl DA, Rutala WA. Rabies. In JE Tintinalli, JS Stapczynski, OJ Ma, DM Cline, RK Cydulka, GD Meckler, editors. Tintinalli's Emergency Medicine. McGraw Hill.
323. Rutala WA and DJ Weber. Disinfection and sterilization in health-care facilities. 2013. In Jarvis WR, editor. Hospital Infections. Lippincott Williams & Wilkins, Philadelphia, PA.
324. Rutala WA, Weber DJ. Cleaning, Disinfection and Sterilization. 2014. APIC Text of Infection Control and Epidemiology. APIC, Washington, DC. 4<sup>th</sup> Edition. 31-1--31-15
325. Rutala WA, Weber DJ. Disinfection, Sterilization and Control of Hospital Waste. 2015. In JE Bennett, R Dolan, MJ Blaser, editors. Principles and Practice of Infectious Diseases, Elsevier Saunders, Philadelphia. 3294-3309.
326. Weber DJ, JJ Juliano and WA Rutala.. Systemic infections in animals. In Schlossberg D, Current Therapy of Infectious Diseases. Mosby, St. Louis, Missouri. In press
327. Rutala WA, DJ Weber. 2015. The hospital environment. GML Bearman, Stevens M, Edmond MB, Wenzel RP, editors. Guide to Infection Control in the Hospital. 5th Edition. International Society for Infectious Diseases, Brookline, MA.
328. Weber DK, Miller M, Rutala WA. Resistance in aerobic gram-positive bacilli.

**Editorials/Commentaries/Correspondence/Letters/Preface (Refereed Journals)**

329. Rutala WA, FA Sarubbi, Jr. and SL Krantz. 1981. Inappropriate federal standards for air control in hospital intensive care units. *Am. J. Infect. Control.* 9:123. Commentary.
330. Sarubbi FA Jr., WA Rutala and G Samsa. 1982. Hydrogen peroxide instillations into the urinary drainage bag: Should we or shouldn't we? *Am. J. Infect. Control.* 10:72-73. Commentary.
331. Sarubbi FA Jr, WA Rutala and G Samsa. 1982. Hydrogen peroxide warrants careful consideration for control of catheter-associated bacteriuria. *Am. J. Infect. Control.* 10:158-160. Reply.
332. Rutala WA, FA Sarubbi, CS Finch, JN MacCormack, GE Steinkraus. 1982. Oyster-associated outbreak of diarrheal disease possibly caused by *Plesiomonas shigelloides*. *Lancet.* 1:739. Letter.
333. Rutala WA and FA Sarubbi, Jr. 1983. Review of the CDC guidelines for hospital environmental control. *Am. J. Infect. Control.* 11:115-118. Commentary.
334. Sarubbi FA Jr and WA Rutala. 1983. Infection prevention in health care personnel. *Am. J. Infect. Control* 11:162-163. Reply.
335. Rutala WA. 1984. Infectious waste. *Infect. Control.* 5:149-150. Commentary.
336. Weber DJ, WA Rutala, GP Samsa, SE Bradshaw and SM Lemon. 1986. Impaired immunogenicity of Hepatitis B vaccine in obese persons. *N. Engl. J. Med.* 314:1393. Letter.
337. Weber DJ and WA Rutala. 1989. Management of HIV-1 infection in the hospital setting. *Infect. Control Hosp. Epidemiol.* 10:3-7. Editorial.
338. Weber DJ and WA Rutala. 1989. Hepatitis B immunization update. *Infect. Control Hosp. Epidemiol.* 10:541-546. Editorial.
339. Brown V, C Bishop, WA Rutala and DJ Weber. 1994. HEPA respirators and tuberculosis in hospital workers. *N. Engl. J. Med.* 331:1659. Letter.
340. Dehmer GJ and WA Rutala. 1994. Current use of green dye curves. *Am. J. Cardiol.* 75:170-171. Editorial.
341. Rutala WA and DJ Weber. 1995. Environmental interventions to control nosocomial infections. *Infect. Control Hosp. Epidemiol.* 16:442-443. Editorial.
342. Rutala WA and DJ Weber. 1995. FDA labeling requirements for disinfection of endoscopes: A counterpoint. *Infect. Control Hosp. Epidemiol.* 16:496-498. Reply.
343. DiMarino AJ, J Leung, D Wolf, G Zuccaro, T Gage, W Ravich, G Zuckerman, V Walter, S Walker, WA Rutala, S Barrett, W Bond (ASGE Ad Hoc Committee on Disinfection). Reprocessing of flexible gastrointestinal endoscopes - An American Society for Gastrointestinal Endoscopy White Paper. *Gastroenterology Nursing.* 1996; 19:109-122. Guideline.

344. Rutala WA and DJ Weber. 1996. Comparison of a rapid readout biological indicator for steam sterilization with four conventional biological indicators and five chemical indicators. *Infect. Control Hosp. Epidemiol.* 17:773. Reply.
345. Rutala WA and DJ Weber. 1997. Epidemiology: A critical tool for infection control professionals. *Am. J. Infect. Control.* 25:193-194. Editorial.
346. Weber DJ and WA Rutala. 1997. Role of environmental contamination in the transmission of vancomycin-resistant Enterococci. *Infect. Control Hosp. Epidemiol.* 18:306-309. Editorial.
347. Rutala WA and DJ Weber. 1997. Water as a reservoir of nosocomial pathogens. *Infect. Control Hosp. Epidemiol.* 18:609-616. Editorial.
348. Weber DJ, WA Rutala and K Wergle. 1997. Selection and use of vaccines for healthcare workers. *Infect. Control Hosp. Epidemiol.* 18:682-687. Editorial.
349. Rutala WA and DJ Weber. 1998. Soaking endoscopes in 2% glutaraldehyde for 20 minutes. A risk management perspective. *Am. J. Infect. Control.* 26:154-155. Reply.
350. Clontz EP, KK Hoffmann, WA Rutala and DJ Weber. 1998. Statewide program for infection control and epidemiology spread computer virus. *Infect. Control Hosp. Epidemiol.* 19:737-738.
351. Shimokura G, DJ Weber and WA Rutala. 1998. Hepatitis C virus in hemodialysis centers. *Am. Nephrol. Nurses Assoc. J.* 25:541-542.
352. Weber DJ and WA Rutala. 1999. Pertussis: An under appreciated risk for nosocomial outbreaks. *Infect. Control Hosp. Epidemiol.* 19:825-828. Editorial.
353. Rutala WA, DJ Weber and KJ Chappell. 1999. Patient injury from flash-sterilized instruments. *Infect. Control Hosp. Epidemiol.* 20:458-459. Letter
354. Rutala WA and DJ Weber. 1999. Health hazard associated with chemical indicator tapes. *Infect. Control Steril. Technol.* *Infect. Control Steril. Technol.* 5:8.
355. Rutala WA and DJ Weber. 1999. Importance of lumen flow in liquid chemical sterilization. *Am. J. Infect. Control.* 27:374-375.
356. Weber DJ and WA Rutala. 1999. Gene Therapy. A new challenge for infection control. *Infect. Control Hosp. Epidemiol.* 20:530-532. Editorial
357. Weber DJ and WA Rutala. Pertussis: A continuing hazard for healthcare facilities. *Infect. Control Hosp. Epidemiol.* 22:736-740. Editorial
358. Hoffmann KK, EP Clontz, WA Rutala, DJ Weber. 2001. Patient attire in ambulatory surgery. *Am. J. Infect. Control.* 29:345-346. Letter
359. Weber DJ, WA Rutala. 2002. A case of triplicate publication. *Am. J. Med.* 112:78-79. Letter
360. Weber DJ, WA Rutala. 2002. Evidence for person-to-person transmission of cutaneous anthrax. *N. Engl. J. Med.* 346:944. Letter
361. Rutala WA, DJ Weber. 2002. Should we routinely disinfect floors? *J. Hosp. Infection* 51:309-311.
362. Weber DJ, WA Rutala. 2002. Cyptosporidiosis. *N. Engl. J. Med.* 347:1287. Letter

363. Weber DJ, WA Rutala. 2003. Lessons learned from managing a case of SARS. *IDSA News* 13:8-9.
364. Crittenton E, A Davis, KK Hoffmann, WA Rutala, DJ Weber. 2003. Semipermeable dressing used to cover smallpox vaccination site as a cause of skin damage. *Infect. Control Hosp. Epidemiol.* 25:96. Letter
365. Rutala WA and DJ Weber. 2004. The benefits of surface disinfection. *Am. J. Infect Control.* 32:226-231.
366. Rutala WA and DJ Weber. 2005. The benefits of surface disinfection. *Am. J. Infect. Control.* 33:434-5. Letter.
367. Sickbert-Bennett EE, DJ Weber, GS Samsa, WA Rutala. 2005. Reply: Comparative efficacy of hand hygiene agents. *Am. J. Infect. Control.* 33:436-8.
368. Rutala WA, L Morelli, DJ Weber, CA Thomann. 2006. Effects of long-term storage on sterility of medical supplies. *Am. J. Infect. Control.* 34:248. Letter.
369. Rutala WA. Prions and processing of reusable surgical instruments: United States Perspective. *J. Jap. Assoc. Operative Med.*
370. Sattar S. and WA Rutala. 2010. Martin S. Favero, Ph.D. *Am. J. Infect. Control.* 38:335-336.
371. Rutala WA, DJ Weber. 2010. Disinfection and sterilization of prion-contaminated medical instruments. *Infect. Control Hosp. Epidemiol.* 31:1306-1308
372. Weber DJ, WA Rutala. 2011. The role of the environment in transmission of *Clostridium difficile* in healthcare facilities. *Infect. Control Hosp. Epidemiol.* 2011; 32:207-209.
373. Rutala WA, DJ Weber. 2011. Are room decontamination units needed to prevent transmission of environmental pathogens. *Infect. Control Hosp. Epidemiol.* 32:743-747. Commentary
374. Weber DJ, WA Rutala. 2011. Immunization for vaccine-preventable diseases: Why aren't we protecting our students? *Infect. Control Hosp. Epidemiol.* 32:912-914. Commentary.
375. Rutala WA, DJ Weber. 2013. Current principles and practices; new research; and new technologies in disinfection, sterilization and antisepsis. *Am J Infect Control.* 41(Supplement):S1. Commentary.
376. Weber DJ, WA Rutala. 2013. Understanding and preventing transmission of healthcare-associated pathogens due to the contaminated hospital environment. *Infect Control Hosp Epidemiol.* 34:449-452.
377. Rutala WA, DJ Weber (guest editors). 2013. Disinfection, Sterilization, and Antisepsis: Current Issues, New Research, and New Technologies. *Am J Infect Control.* 5:S1-S117.
378. Rutala WA, DJ Weber. 2015. Sterilization of endoscopic instruments-reply. *JAMA.* 313:524

#### **CD-ROM/Posters/Internet Publications**

379. Weber DJ and WA Rutala. Clinical manifestations, diagnosis, and therapy of *Pasteurella multocida*. In: UpToDate, BD Rose (Ed), UpToDate, Waltham, MA. 2002
380. Weber DJ, WA Rutala and J Eron. Management of healthcare workers exposed to bloodborne pathogens I. In: UpToDate, BD Rose (Ed). Wellesley MA. 2001;9:3
381. Weber DJ, WA Rutala and J Eron. Management of healthcare workers exposed to bloodborne pathogens II. In: UpToDate, BD Rose (Ed). Wellesley MA. 2001;9:3
382. Weber DJ, WA Rutala and J Eron. Management of healthcare workers exposed to hepatitis B virus and hepatitis C virus. In: UpToDate, BD Rose (Ed), UpToDate, Waltham, MA. 2002
383. Weber DJ, WA Rutala. Prevention and control of varicella in hospitals. In: UpToDate, BD Rose (Ed), UpToDate, Waltham, MA. 2005.
384. Weber DJ and WA Rutala. Clinical manifestations, diagnosis, and therapy of *Pasteurella multocida*. In: UpToDate, BD Rose (Ed), UpToDate, Waltham, MA. 2006
385. Weber DJ, WA Rutala and J Eron. Management of healthcare workers exposed to hepatitis B virus and hepatitis C virus. In: UpToDate, BD Rose (Ed), UpToDate, Waltham, MA. 2006
386. Weber DJ, WA Rutala. Prevention and control of varicella in hospitals. In: UpToDate, BD Rose (Ed), UpToDate, Waltham, MA. 2007.
387. Weber DJ and WA Rutala. Clinical manifestations, diagnosis, and therapy of *Pasteurella multocida*. In: UpToDate, BD Rose (Ed), UpToDate, Waltham, MA. 2007
388. Weber DJ, WA Rutala and J Eron. Management of healthcare workers exposed to hepatitis B virus and hepatitis C virus. In: UpToDate, BD Rose (Ed), UpToDate, Waltham, MA. 2007
389. Weber DJ and WA Rutala. Clinical manifestations, diagnosis, and therapy of *Pasteurella multocida*. In: UpToDate, BD Rose (Ed), UpToDate, Waltham, MA. 2008
390. Weber DJ, WA Rutala. Prevention and control of varicella in hospitals. In: UpToDate, BD Rose (Ed), UpToDate, Waltham, MA. 2008.
391. Weber DJ, WA Rutala and J Eron. Management of healthcare workers exposed to hepatitis B virus and hepatitis C virus. In: UpToDate, BD Rose (Ed), UpToDate, Waltham, MA. 2008
392. Weber DJ and WA Rutala. Clinical manifestations, diagnosis, and therapy of *Pasteurella multocida*. In: UpToDate, DS Basow (Ed), UpToDate, Waltham, MA. 2009
393. Weber DJ, WA Rutala. Prevention and control of varicella in hospitals. In UpToDate, BD Rose (Ed), UpToDate, Waltham, MA. 2009.
394. Weber DJ, WA Rutala and J Eron. Management of healthcare workers exposed to hepatitis B virus and hepatitis C virus. In: UpToDate, DS Basow (Ed), UpToDate, Waltham, MA. 2009
395. Weber DJ and WA Rutala. Clinical manifestations, diagnosis, and therapy of *Pasteurella multocida*. In: UpToDate, DS Basow (Ed), UpToDate, Waltham, MA. 2010
396. Weber DJ, WA Rutala and J Eron. Management of healthcare workers exposed to hepatitis B virus and hepatitis C virus. In: UpToDate, DS Basow (Ed), UpToDate, Waltham, MA. 2010

397. Weber DJ, WA Rutala. Prevention and control of varicella in hospitals. In UpToDate, BD Rose (Ed), UpToDate, Waltham, MA. 2011.
398. Weber DJ, WA Rutala. Prevention and control of varicella in hospitals. In UpToDate, BD Rose (Ed), UpToDate, Waltham, MA. 2012.
399. Weber DJ and WA Rutala. Clinical manifestations, diagnosis, and therapy of *Pasteurella multocida*. In: UpToDate, DS Basow (Ed), UpToDate, Waltham, MA. 2012
400. Hoffmann KK, DJ Weber, Clontz EP, Rutala WA. 2001. Bioterrorist agents-recognition and management. [www.unc.edu/depts/spice/bioterrorism.html](http://www.unc.edu/depts/spice/bioterrorism.html)
401. O'Grady NP, Alexander M, Dellinger EP, Gerberding, JL, Heard SO, Maki DG, Masur H, McCormick RD, Mermel LA, Pearson ML, Raad II, Randolph A, Weinstein RA, and Healthcare Infection Control Practices Advisory Committee of CDC (includes WA Rutala). Draft guideline for the prevention of intravascular catheter-related infections. [www.cdc.gov/ncidod/hip/ivguide.htm](http://www.cdc.gov/ncidod/hip/ivguide.htm) Am J Infect Control 2002;30:476-489
402. Rutala WA, Weber DJ, and Healthcare Infection Control Practices Advisory Committee of CDC. Draft guideline for the disinfection and sterilization of healthcare equipment. [www.cdc.gov/ncidod/hip/dsguide.htm](http://www.cdc.gov/ncidod/hip/dsguide.htm). April 2002.
403. Boyce JM, Pittet D, the HICPAC/SHEA/APIC/IDSA Hand Hygiene Task Force, and the Healthcare Infection Control Practices Advisory Committee (includes WA Rutala). Draft guideline for hand hygiene in healthcare settings. [www.cdc.gov/ncidod/hip/hhguide.htm](http://www.cdc.gov/ncidod/hip/hhguide.htm) Am J Infect Control 2002; 30:S1-S46
404. Hoffmann KK, DJ Weber, EP Clontz, WA Rutala, W Stopford, CG Smith, J Newmark, BI Maliner. 2002. Chemical terrorism agents and syndromes. [www.unc.edu/depts/spice/chemical.html](http://www.unc.edu/depts/spice/chemical.html).
405. Weber DJ, WA Rutala. Now is a good time to review what we know about anthrax. 2002. [www.unchealthcare.org/health\\_patient\\_care/good\\_medicine/anthrax.htm](http://www.unchealthcare.org/health_patient_care/good_medicine/anthrax.htm)
406. Tablan O and the Healthcare Infection Control Advisory Committee (includes WA Rutala). Draft guidelines for prevention of healthcare-associated pneumonia, 2003. [www.cdc.gov/ncidod/hip/pnguide.htm](http://www.cdc.gov/ncidod/hip/pnguide.htm)
407. Weber DJ, WA Rutala. *Streptococcus pneumoniae*: Microbiology, epidemiology, treatment and prevention. Medscape from WebMD. April 17, 2003. [www.medscape.com](http://www.medscape.com)
408. Hoffmann KK, DJ Weber, Clontz EP, Rutala WA. 2003. Bioterrorism Agents II. [www.unc.edu/depts/spice/bioterrorism.html](http://www.unc.edu/depts/spice/bioterrorism.html)
409. Schulster L, Chinn RYW, and the Healthcare Infection Control Advisory Committee (includes WA Rutala). Guidelines for environmental infection control in healthcare facilities. 235 pages. [www.cdc.gov/ncidod/hip/enviro/guide.htm](http://www.cdc.gov/ncidod/hip/enviro/guide.htm)
410. Weber WA, DJ Weber. 2004. Everyone should do their part to help prevent the spread of flu. Good Medicine columns on [www.unchealthcare.org/health\\_patient\\_care/good\\_medicine/index.htm](http://www.unchealthcare.org/health_patient_care/good_medicine/index.htm) and News 14 website. [rdu.news14.com/content/headlines/?ArID=41113&SecID=2](http://rdu.news14.com/content/headlines/?ArID=41113&SecID=2)
411. Siegel JD, Rhinehart E, Jackson M, Chiarello LA and the Healthcare Infection Control Practices Advisory Committee (includes WA Rutala). Management of multidrug-resistant organisms in

healthcare settings, 2006. 73 pages.

<http://www.cdc.gov/ncidod/dhqp/pdf/ar/mdroGuideline2006.pdf>.

412. Siegel J, Rhinehart E, Jackson M, Chiarello LA and the Healthcare Infection Control Practices Advisory Committee (includes WA Rutala). Guideline for isolation precautions: Preventing transmission of infectious agents in healthcare settings, 2007. 219 pages.  
<http://www.cdc.gov/ncidod/dhqp/pdf/isolation2007.pdf>
413. Rutala WA, Weber DJ. Hand Surfaces/Equipment: Disinfection and Sterilization.  
[www.decisionsupportinmedicine.com](http://www.decisionsupportinmedicine.com). Editors, Wenzel RP, Edmond MB, Bearman G. 2012.
414. Weber DJ, WA Rutala. Prevention and control of varicella-zoster virus in hospitals. In UpToDate, BD Rose (Ed), UpToDate, Waltham, MA. 2013.
415. Weber DJ, WA Rutala. *Pasteurella* infections. In UpToDate, BD Rose (Ed), UpToDate, Waltham, MA. 2013.
416. Weber DJ, WA Rutala. Prevention and control of varicella-zoster virus in hospitals. In UpToDate, Martin S. Hirsch (Section Editor), BD Rose (Ed), UpToDate, Waltham, MA. 2014.

#### Web Page

417. Rutala WA (website owner). <http://disinfectionandsterilization.org>.

#### Non-Refereed Journals

418. McCutchan J, WA Rutala, R Holdway, T Laws, N King and MP Hines. 1982. Otitis due to *Pseudomonas aeruginosa* serotype 0:10 associated with a mobile redwood hot tub system - North Carolina. Morbid. Mortal. Weekly Rep. 31:541-542.
419. a. Rutala WA. 1987. Infectious waste: A growing problem for infection control. Asepsis. 9:2-6.  
b. Rutala WA. 1988. Infectious waste: A growing problem for infection control. J. Healthcare Materiel Management. 6:62-65.
420. Rutala WA and DJ Weber. Recycling hospital waste: Impact of new technologies. Hospital Purchasing News, January 1993.
421. Weber DJ and WA Rutala. 1998. Control of drug-resistant respiratory pathogens. Am J Med Continuing Education Series. Excerpta Medica, Belle Mead, NJ. November 1997. pp. 17-23.
422. Rutala WA and DJ Weber. 2000. Choosing a sterilization wrap. Infection Control Today. 4:64,70.
423. Rutala WA and DJ Weber. Commercial disinfectants demonstrate significantly greater efficacy than natural alternatives. Water Quality and Health Council Newsletter. 2001;7:1,3.
424. Rutala WA and DJ Weber. New technologies for low temperature sterilization. Central Sterilizing Club (United Kingdom).
425. Kelley M, Weber DJ, Dooley KE, Rutala WA. 2002. Healthcare associated methicillin-resistant *Staphylococcus aureus*. Sem Infect Control 1:157-183.



426. Weber DJ and Rutala WA. 2002. Creutzfeldt-Jakob Disease: Preventing nosocomial acquisition. *Sem Infect Control*.
427. Engeman J, K Kaye, G Cox, J Perfect, W Schell, SA McGarry, K Patterson, S Edupuganti, P Cook, WA Rutala, DJ Weber, KK Hoffmann, and others. 2002. *Exophila* infection from contaminated injectable steroids prepared by a compounding pharmacy—United States, July–November 2002. *Morb Mort Weekly Report*. 51:1109-1112.
428. O’Grady NP, Alexander M, Dellinger EP, Gerberding, JL, Heard SO, Maki DG, Masur H, McCormick RD, Mermel LA, Pearson ML, Raad II, Randolph A, Weinstein RA, and Healthcare Infection Control Practices Advisory Committee of CDC (includes WA Rutala). Guideline for the prevention of intravascular catheter-related infections. *MMWR* 2002;51:1-33.
429. Boyce JM, Pittet D, the Healthcare Infection Control Practices Advisory Committee (includes WA Rutala) and the HICPAC/SHEA/APIC/IDSA Hand Hygiene Task Force. Guideline for hand hygiene in health-care settings. *MMWR* 2002;51(RR-16):1-48.
430. Advisory Committee on Immunization Practices and the Healthcare Infection Control Advisory Committee (includes WA Rutala). Recommendations for using the smallpox vaccine in a prevent vaccination program. *MMWR* 2003;52(February 26, 2003):1-16.
431. Schulster L, Chinn RYW, and the Healthcare Infection Control Advisory Committee (includes WA Rutala). Guidelines for environmental infection control in healthcare facilities. *MMWR* 2003;52:1-44.
432. Tablan OC, Anderson LJ, Besser R, Bridges C, Hajjeh R and the Healthcare Infection Control Advisory Committee (includes WA Rutala). Guidelines for preventing health-care associated pneumonia, 2003. *MMWR* 2004;53 (RR03):1-36.
433. Weber DJ, WA Rutala. Help for noses: Preventing the spread of flu. *Carolina Woman*. December 2004, 58.
434. Rutala WA. Q/A in Disinfection and sterilization. *Life Sciences: Business and Technology Review*. 2005;2:112-113.
435. Rutala WA. Q/A in Disinfection and sterilization. *Life Sciences: Business and Technology Review*. 2005;3:91-92.

### Proceedings

436. Sobsey MD, JS Glass, RJ Carrick, RR Jacobs and WA Rutala. 1979. Evaluation of the tentative standard method for enteric virus concentration from tapwater. In Proceedings of the sixth annual water quality technology conference. American Water Works Association, Denver, Colorado. No. 3B-1, pp. 1-18.
437. Rutala WA, VA Kennedy, HB Loflin and FA Sarubbi. 1981. *Serratia marcescens* nosocomial infections of the urinary tract associated with urine measuring containers and urinometers. In Dixon RE, editor: *Nosocomial Infections*. New York. 1981. Yorke Medical Books, pp. 99-103.
438. Rutala WA. 1987. Current problems associated with chemical disinfectants used in the health care setting. In Favero MS, Groschel DHM (editors): *Chemical germicides in the health care field*. American Society of Microbiology, Washington DC. pp. 110-118.

439. Rutala WA. 1987. Report of working group-bacteria and fungi. In Favero MS, Groschel DHM (editors): Chemical germicides in the health care field. American Society of Microbiology, Washington DC. pp. 126-131.
440. Rutala WA. 1993. Public Health implications of medical waste. In Morrissey RF (editor): Sterilization of medical products, Volume VI. pp.17-30.

### **Project Reports**

441. Sobsey MD, RJ Carrick, JS Glass, WA Rutala and RR Jacobs. 1980. Evaluation of the tentative standard method for enteric virus concentration and detection in drinking water and other finished waters, 100 pp, US EPA, Washington, DC.
442. Rutala WA, EC Cole, EM Alfano and GP Samsa. 1985. Disinfectant test method update, 172 pp., US Environmental Protection Agency, Washington DC. CR811204.
443. Rutala WA, EC Cole, EM Alfano, GP Samsa and NS Wannamaker. 1990. Disinfectant test methodologies update, 357 pp, US Environmental Protection Agency, Washington DC. CR813006.

### **Book Reviews**

444. Rutala WA. 1987. Reviewed book by Gardner JF and MM Peel: Introduction to sterilization and disinfection. Infect. Control. 8:434.
445. Rutala WA. 1995. Reviewed book by Ayliffe GAJ, D Coates, PN Hoffman: Chemical disinfection in hospitals. Infect Control Hosp Epidemiol. 16:183.

### **Abstracts (presented at scientific meetings)**

446. Rutala WA and MD Sobsey. 1978. Evaluation of the tentative standard method (TSM) for detecting parvoviruses in tapwater. Abs. Ann. Meeting Am. Soc. Microbiol., Q26, p. 199.
447. a. Sarubbi FA, HB Kopf, MB Wilson, MR McGinnis and WA Rutala. 1980. Nosocomial *Aspergillus flavus* pneumonia associated with new hospital construction. Abs. Ann. Meeting Am. Soc. Microbiol., C89, p. 289.
- b. Also Abs. Natl. Assoc. Practitioners in Infection Control, 1982, p.40.
448. Rutala WA, VA Kennedy, HB Loflin and FA Sarubbi, Jr. 1980. Nosocomial urinary tract infections associated with urine measuring containers and specific gravity instruments. Abs. Second Intl. Conf. Nosocomial Infections, p. 27.
449. Rutala WA and FA Sarubbi, Jr. 1981. Disposal of solid wastes from North Carolina hospitals. Abs. Natl. Assoc. Practitioners in Infection Control, p. 4.
450. Kennedy VA, WA Rutala and FA Sarubbi. 1981. The development of infection control programs in community hospitals in North Carolina: Description of a new statewide program. Abs. Natl. Assoc. Practitioners in Infection Control, p. 6.
451. Rutala WA, MM Stiegel and FA Sarubbi, Jr. 1981. Decontamination of hazardous microbiological wastes by autoclaving. Hazardous Waste Disposal Seminar.

452. a. Rutala WA, MM Stiegel and FA Sarubbi, Jr. 1982. Ineffectiveness of disinfectants against hospital strains of bacteria. Abs. Ann. Meeting Am. Soc. Microbiol., Q138, p. 233.
- b. Also Abs. Natl. Assoc. Practitioners in Infection Control, 1982, p. 9.
453. a. Katz BS, WA Rutala, RJ Sherertz and FA Sarubbi, Jr. 1982. Environmental investigation of methicillin resistant *Staphylococcus aureus* (MRSA) epidemic in a burn unit. Abs. Ann. Meeting Am. Soc. Microbiol., L12, p. 84.
- b. Also Abs. Natl. Assoc. Practitioners in Infection Control, 1982, p. 7.
454. a. Rutala WA, MM Stiegel and FA Sarubbi, Jr. 1982. Decontamination of laboratory microbiological wastes by steam sterilization. Abs. Ann. Meeting Am. Soc. Microbiol., Q89, p. 224.
- b. Also Abs. Natl. Assoc. Practitioners in Infection Control, 1982, p. 36.
- c. Also Proceedings of XXV Biological Safety Conference, 1982, p. 211-216.
455. a. Rutala WA, MM Stiegel and FA Sarubbi, Jr. 1982. Do disposable sodium chloride vials contribute to endemic respiratory tract infections? Abs. Natl. Assoc. Practitioners in Infection Control, p. 19.
- b. Also in Am. J. Infect. Control. 1982. 10:115-116.
456. a. Rutala WA and FA Sarubbi, Jr. 1983. Comparative evaluation of a traditional and a "tissue technique" method for determining air pressure differentials in hospital isolation rooms. Abs. Natl. Assoc. Practitioners in Infection Control, p. 2.
- b. Also in Am. J. Infect. Control. 1983. 11:144.
457. Dandalides PC, WA Rutala and FA Sarubbi, Jr. 1983. Serious postoperative infections linked to an environmental reservoir in the cardiothoracic intensive care unit. Abs. Natl. Assoc. Practitioners in Infection Control, p. 48.
458. Dandalides PC, WA Rutala, CA Thomann and FA Sarubbi, 1983. Epidemiologic review of postoperative infections due to coagulase-negative staphylococci (CONS). 23rd Interscience Conf. Antimicrobial Agents and Chemotherapy, p. 230.
459. a. Rutala WA, CA Thomann, SM Saviteer and FA Sarubbi, Jr., 1984. Outbreak of *Pseudomonas cepacia* bacteremia associated with intra-aortic balloon pump (IABP) use. Abs. Natl. Assoc. Practitioners in Infection Control, p. 115.
- b. Also in Am. J. Infect. Control. 1984. 12:250.
460. a. Price LE, WA Rutala and FA Sarubbi, Jr., 1984. Infection control in extended care facilities. Abs. Natl. Assoc. Practitioners in Infection Control, p. 100.
- b. Also in Am. J. Infect. Control. 1984. 12:245.
461. a. Saviteer SM, GP Samsa and WA Rutala, 1984. Nosocomial infections in the elderly: Decade-specific rates per hospital day. 24th Interscience Conf. Antimicrobial Agents and Chemotherapy, p. 183.

- b. Also Abs. Natl. Assoc. Practitioners in Infection Control. 1985, p. 115.
- c. Also in Am. J. Infect. Control. 1985. 13:128.
462. Saviteer SM, GP Samsa and WA Rutala, 1985. Nosocomial urinary tract infections: Changing frequency of pathogens in the elderly. Abs. Ann. Meeting Am. Soc. Microbiol., L6, p. 379.
463. Cole EC, WA Rutala and JL Carson, 1985. AOAC disinfectant testing: Evaluation of penicylinder surface texture and bacterial load. Abs. Ann. Meeting Am. Soc. Microbiol., Q41, p. 264.
464. a. Renfrow DP, CA Thomann and WA Rutala, 1985. Infection risks associated with spirometry. Abs. Natl. Assoc. Practitioners in Infection Control, p. 161.
- b. Also in Am. J. Infect. Control. 1985. 13:141.
465. a. Price LE and WA Rutala, 1985. Tuberculosis screening of North Carolina hospital employees. Abs. Natl. Assoc. Practitioners in Infection Control p. 143.
- b. Also in Am. J. Infect. Control. 1985. 13:136.
466. Weber D, W Rutala, J. Santimaw, G Samsa and S Lemon. 1985. Factors associated with reduced immunogenicity of hepatitis B plasma vaccine following IM buttock injection. 25th Interscience Conf. Antimicrobial Agents and Chemotherapy, p. 94.
467. Peacock J, L Sorrell, L Price and WA Rutala. 1985. Nosocomial colonization/infection with aminoglycoside resistance *Acinetobacter calcoaceticus var\_anitratu*s. 25th Interscience Conf. Antimicrobial Agents and Chemotherapy, p. 268.
468. Hackney RW, WA Rutala, CA Thomann and MS Cohen. 1985. Report of a laboratory-acquired *Neisseria gonorrhoeae* infection. XXVIII Biological Safety Conference.
469. Price LE, WA Rutala and GP Samsa. 1986. Tuberculosis in hospital personnel: Is annual skin testing necessary? Abs. Natl. Assoc. Practitioners in Infection Control, p.98.
470. a. Price LE and WA Rutala. 1986. Tuberculosis in long-term care facilities. Abs. Natl. Assoc. Practitioners in Infection Control, p. 137.
- b. Also in Am. J. Infection Control. 1986. 14:94.
471. Saviteer SM, CA Thomann, DJ Weber and WA Rutala. 1986. Clinical significance of Bacillus species isolated from blood cultures. 26th Interscience Conf. Antimicrobial Agents and Chemotherapy, p. 289.
472. Brawley RL, DJ Weber, GP Samsa and WA Rutala. 1986. Multiple nosocomial infections: An incidence study. 26th Interscience Conf. Antimicrobial Agents and Chemotherapy, p. 189.
473. a. Cole EC, WA Rutala and GP Samsa. 1987. Ineffectiveness of hospital disinfectants against bacteria: A collaborative study. Abs. Ann. Meeting Am. Soc. Microbiol., L16, p. 406.
- b. Also in Am. J. Infect. Control. 1987. 15:90.
474. Price LE, WA Rutala and DJ Weber. 1987. The evolution of the statewide infection control program. Abs. Natl. Assoc. Practitioners in Infection Control, p. 120.

475. Cole EC, WA Rutala and GP Samsa. 1987. Disinfectant testing with a modified use-dilution method: Collaborative Study. 101st Annual Internatl. Meeting Assoc. Off. Anal. Chemists, p. 75.
476. Rutala WA, EC Cole and CA Thomann. 1987. Stability and bactericidal activity of chlorine solutions. 27th Interscience Conf Antimicrobial Agents and Chemotherapy, 1150, p. 297.
477. Weber DJ, WA Rutala and C Parham. 1987. Impact and costs of varicella prevention in a university hospital. 27th Interscience Conf. Antimicrobial Agents and Chemotherapy, 281, p. 320.
478. Saviteer SM, GP Samsa and WA Rutala. 1987. The nosocomial incidence rate: A method for standardizing nosocomial infection rates. 27th Interscience Conf. Antimicrobial Agents and Chemotherapy, 343, p. 156.
479. Odette RL and WA Rutala. 1988. Management of infectious waste by United States hospitals. 28th Interscience Conf. Antimicrobial Agents and Chemotherapy, 641, p. 222.
480. Weber DJ, WA Rutala and GP Samsa, 1988. Epidemiology of tuberculosis in North Carolina, 1966-86. 28th Interscience Conf. Antimicrobial Agents and Chemotherapy, 1293, p. 342.
481. Weber DJ, WA Rutala, MB Wilson and CA Thomann. 1988. Manual ventilation bags as a source for bacterial colonization of intubated patients. 28th Interscience Conf. Antimicrobial Agents and Chemotherapy, 31, p. 116.
482. Buehrer J, DJ Weber, AA Meyer, WA Rutala, P Becherer, B Wilson, L Smiley and G White. 1988. Wound infection rates in HIV+ and HIV- hemophiliacs undergoing invasive procedures. 28th Interscience Conf. Antimicrobial Agents and Chemotherapy, 1233, p. 329.
483. Hoffmann KK, DJ Weber and WA Rutala. Pseudooutbreak of *Rhodotorula rubra* in patients undergoing fiberoptic bronchoscopy. *Am J Infection Control*. 1989, 17:99.
484. Weber DJ, Becherer PR, Rutala WA, Samsa GP and White GC. 1990. Rate of nosocomial infections as a function of HIV-1 status in hemophiliacs. *Abs. Third Intl. Conf. Nosocomial Infections*, 55, p. 29.
485. Hoffmann KK, Weber DJ, Samsa GP and Rutala WA. 1990. A meta-analysis of transparent polyurethane for use as a central venous catheter dressing. *Abs. Third International. Conf. Nosocomial Infections*, 86, p. 34.
486. Hoffmann KK, Weber DJ, Samsa GP and Rutala WA. 1990. A meta-analysis of transparent polyurethane for use as a peripheral intravenous catheter dressing. *Abs. Third International Conf. Nosocomial Infections*, B/30, p.53.
487. Hanson LC, Weber DJ, Rutala WA and Samsa GP. 1990. Risk factors for nosocomial pneumonia in the elderly. *Abs. Third International Conf. Nosocomial Infections*, B/53, p. 57.
488. Rutala WA, Cole EC, Wannamaker N and Weber DJ. 1990. Inactivation of *Mycobacterium tuberculosis* and *Mycobacterium bovis* by 13 hospital disinfectants. *Abs. Third International Conf. Nosocomial Infections*, 71, p.31.
489. Rutala WA, Clontz EP, Weber DJ and Hoffmann KK. 1990. Disinfection practices for endoscopes and other semicritical items. *Abs. Third International Conf. Nosocomial Infections*, B/36, p.54.

490. Weber DJ, Rutala WA and Samsa GP. 1990. Changing frequencies of nosocomial pathogens in a university hospital, 1980-1989. Abs. Third International Conf. Nosocomial Infections, A/65, p.47.
491. Marshburn PB, Rutala WA, Wannamaker NS and Hulka JF. 1990. Microbiological studies of gas and steam sterilization of assembled versus disassembled laparoscopic equipment. Abs. American Assoc. Gynecologic Laparoscopists.
492. Rutala WA. 1990. Infectious waste: Dissonance between science and policy. 30th Interscience Conf. Antimicrobial Agents and Chemotherapy, S-40, p. 323.
493. Rutala WA, Gergen MF, Weber DJ. 1991. Sporicidal activity of chemical sterilants used in hospitals. 31st Interscience Conf Antimicrobial Agents and Chemotherapy, 1271, p.311.
494. Rutala WA, Gergen MF, Weber DJ. 1991. Evaluation of glutaraldehyde-based disinfectants against *Clostridium difficile*. 31st Interscience Conf. Antimicrobial Agents and Chemotherapy, 1270, p.310.
495. Rutala WA. 1992. Comparative approaches and public health implications of disposal of medical waste. 5th National Forum on AIDS, Hepatitis, and other Bloodborne Diseases, M-3.1, p.26.
496. Rutala WA. 1992. Are current disinfection practices adequate to protect public health? 5th National Forum on AIDS, Hepatitis, and other Bloodborne Diseases, M-8.2, p.32.
497. Rutala WA, Gergen MF, Weber DJ. 1992. Evaluation of three conventional biological indicators and a rapid readout biological indicator for flash sterilization. 19th Annual Conference of Assoc. Practitioners in Infection Control, Am J Infect Control, 20:91.
498. Rutala WA. 1992. Disinfection practices for endoscopes and other semicritical items. Australasian Infection Control Association. 6th National Conference, F1.1,36.
499. Rutala WA. 1992. Infection control issues of the 90's. Australasian Infection Control Association. 6th National Conference, T1.4,21.
500. Morton T, vander Horst C, Rutala WA, Eron JJ. 1993. Blood exposure of health-care personnel in a university hospital. IXth International Conference on AIDS.
501. Rutala WA. 1994. Chemical germicide use in the United States: 1994 and beyond. International Symposium on Chemical Germicides in Health Care, p.9.
502. Weber DJ and WA Rutala. 1994. Inactivation of microorganisms by metals. International Symposium on Chemical Germicides in Health Care, p.15.
503. Rutala WA, Gergen MF, Weber DJ. 1994. Evaluation of rapid readout biological indicator for flash sterilization with three biological indicators and three chemical indicators. 3rd International Conference of the Hospital Infection Society, F8/6, p.19.
504. a. Rutala WA, Jones SM, Worthington JM, Reist PC, Weber DJ. 1994. Efficacy of portable HEPA units in removing submicron aerosolized particles: Utility of HEPA units in preventing transmission of tuberculosis. 3rd International Conference of the Hospital Infection Society, P289, p.105.  
b. Also in Am. J. Infection. Control, 1995; 23:96.

505. Rutala WA, Jones SM, Weber DJ. 1995. Evaluation of a rapid readout biological indicator (BI) for steam sterilization with four conventional BIs and five chemical indicators. Joint conference of World Federation for Central Service Healthcare and European Society for Hospital Sterile Supply, p.24-25.
506. Rutala WA, Gergen MF, Jones JF, Weber DJ. 1997. Levels of microbial contamination on surgical instruments. International Symposium-Sterilization, Disinfection and Antisepsis: Current Topics and Future Challenges. Am J Infect Control. 25:185.
507. Rutala WA, Gergen MF, Weber DJ. 1997. Comparative evaluation of the sporicidal activity of the Sterrad 100 and the Sterrad 100S. International Symposium-Sterilization, Disinfection and Antisepsis: Current Topics and Future Challenges. Am J Infect Control. 25:186.
508. Hoffmann KK, Clontz EP, Rutala WA, Weber DJ. 1997. A fifteen-year experience with a university based statewide infection control program, 1981-1995. 24th Annual APIC Educational and International Conference. Am J Infect Control. 25:152.
509. a. Ferree K, Hoffmann K, Kashkari M, Rutala WA, Weber DJ. 1997. Community hospital outbreak of MRSA producing toxic shock syndrome toxin (TSST-1). 24th Annual APIC Educational and International Conference. Am J Infect Control. 25:142.
- b. Also presented at the Seventh Annual Meeting of the Society of Healthcare Epidemiology of America. Infect Control Hosp Epidemiol. 1997; 18:P30 (Abstract 62).
510. Rutala WA, Barbee SL, Aguiar NC, Sobsey MD, Weber DJ. 1998. Antimicrobial activity of home disinfectants and natural products against potential human pathogens. 8<sup>th</sup> Annual Meeting of SHEA. Infect Control Hosp Epidemiol. 1785:66.
511. Barbee SL, DJ Weber, Sobsey MD, Rutala WA. 1998. Susceptibility of *Cryptosporidium parvum* to disinfection and sterilization processes. 8<sup>th</sup> Annual Meeting of SHEA. Infect Control Hosp Epidemiol. M84:66.
512. Rutala WA. 1998. Infection control: The role of disinfection and sterilization. The 4<sup>th</sup> International Conference of the Hospital Infection Society. J Hosp. Infect. 40:HC3.
513. Weber DJ, S Barbee, MD Sobsey, WA Rutala. 1999. The effect of blood on the antiviral activity of disinfectants. Ninth Annual Meeting of SHEA. M62:72.
514. a. Hoffmann K, K Winstead, M Edmundson, D Weber, W Rutala. 1999. Comparison of a novel triclosan hand protectant versus handwashing alone for reducing transient hand bacterial colonization and nosocomial infections. 26<sup>th</sup> Annual APIC Educational and International Conference. Am J Infect Control 27:210
- b. Also presented at Ninth Annual Meeting of SHEA. S12:47.
515. Southwick K, K Hoffmann, J Maillard, K Ferree, D Weber, W Rutala. 1999. *M. tuberculosis* cluster likely linked to an atomizer. 26<sup>th</sup> Annual APIC Educational and International Conference. Am J Infect Control 27:193.
516. a. Rutala WA, DJ Weber MF Gergen. 2000. Vancomycin-resistant *Enterococcus* sp. (VRE): Surface disinfection and transmissibility via contaminated surfaces. 4<sup>th</sup> Decennial International Conference on Nosocomial and Healthcare-Associated Infections.
- b. Also presented at the APIC Postconference on Disinfection, Antisepsis and Sterilization, p 47.

517. Weber DJ, WA Rutala, CP Kanoy, SA Consoli. 2000. Infectious disease exposure evaluation at a university hospital, 1994-1998. 4<sup>th</sup> Decennial International Conference on Nosocomial and Healthcare-Associated Infections. *Infect Control Hosp Epidemiol* 21:141.
518. a. Rutala WA, DJ Weber, SL Barbee, MF Gergen, MD Sobsey. 2000. Evaluation of antibiotic resistant bacteria in home kitchens and bathrooms. 4<sup>th</sup> Decennial International Conference on Nosocomial and Healthcare-Associated Infections. *Infect Control Hosp Epidemiol* 21:132.
- b. Also presented at the APIC Postconference on Disinfection, Antisepsis and Sterilization, p 47-48.
519. Weber DJ, PJ Padgett, KK Hoffmann, WA Rutala. 2000. Immunization of healthcare workers: A survey of hospitals for compliance with current guidelines. 4<sup>th</sup> Decennial International Conference on Nosocomial and Healthcare-Associated Infections. *Infect Control Hosp Epidemiol* 21:113.
520. a. Rutala WA, MF Gergen, and DJ Weber. 2000. Evaluation of a new surface germicide (Surfacine™) with antimicrobial persistence. 4<sup>th</sup> Decennial International Conference on Nosocomial and Healthcare-Associated Infections. *Infect Control Hosp Epidemiol* 21:103.
- b. Also presented at the APIC Postconference on Disinfection, Antisepsis and Sterilization, p 47.
521. Hoffmann KK, DJ Weber, WA Rutala, MF Gergen, LJ Weaver. 2000. *Pseudomonas aeruginosa* endophthalmitis outbreak associated with a contaminated phacoemulsifier. 4<sup>th</sup> Decennial International Conference on Nosocomial and Healthcare-Associated Infections. *Infect Control Hosp Epidemiol* 21:136.
522. Hoffmann KK, DJ Weber, R Bost, WA Rutala. 2000. Neonatal *Staphylococcus aureus* pustulous rash outbreak linked by molecular typing to colonized healthcare workers. 4<sup>th</sup> Decennial International Conference on Nosocomial and Healthcare-Associated Infections. *Infect Control Hosp Epidemiol* 21:136.
523. Weber DJ, WA Rutala, V Brown, GP Samsa. 2000. Relative frequency of nosocomial pathogens at a university hospital, 1980-1998. 4<sup>th</sup> Decennial International Conference on Nosocomial and Healthcare-Associated Infections. *Infect Control Hosp Epidemiol* 21:161.
524. Clontz EP, Hoffmann KK, Rutala WA, Weber DJ. 2001. A twenty-year experience with a university-based statewide program for infection control and epidemiology. 28<sup>th</sup> Annual APIC Educational and International Conference, Conference manual, poster 43, page 31.
525. Sickbert-Bennett EE, Rutala WA, Weber DJ, Gergen-Teague MF, Sobsey MD. 2002. Comparative efficacy of hand hygiene products in the reduction of bacteria with a use time of 10 seconds. 29<sup>th</sup> Annual APIC Educational and International Conference, Conference manual.
526. Sickbert-Bennett EE, Rutala WA, Weber DJ, Gergen-Teague MF, Sobsey MD. 2002. Comparative efficacy of hand hygiene products in the reduction of viruses. 29<sup>th</sup> Annual APIC Educational and International Conference, Conference manual.
527. Rutala WA. 2002. Decontamination of heat-sensitive items. Fifth International Conference of the Hospital Infection Society. Conference book. KL1, page 8.
528. Rutala WA, Favero MS. 2002. Detergents or disinfectants for environmental cleaning. Fifth International Conference of the Hospital Infection Society. Conference book. W17, page 28.



529. Dombrowski JC, Weber DJ, Samsa GP, Brown V, Rutala WA. 2003. Epidemiology of nosocomial infections other than bloodstream, pneumonia, urinary tract and surgical site infections over a 22-year period at a university hospital. 41<sup>st</sup> Annual Meeting of the Infectious Disease Society of America. Conference book abstract 540, p.114.
530. Brown V, Kittrell I, Brooks B, Weber D, Rutala W. 2004. SARS management: Lessons learned at the University of North Carolina Health Care System. 31<sup>st</sup> Annual APIC Educational and International Conference, Conference Abstracts, p. 66.
531. Engemann JJ, McDonald JR, Rutala WA, Weber DJ, Gergen MF, Gregg LA, Schneider LL, Padgett PW, Sexton DJ, Frush KS, Kaye KS. Contamination of surgical instruments with hydraulic fluid during cleaning did not affect sterilization. Abstract 312, p.138, Conference Abstracts.
532. Byerly FL, Buchanan IB, Brown V, Kittrell I, Weber DJ, Rutala WA, Meyer AA, Cairns BA. The introduction of antiseptic coated central line catheters is associated with a decrease in catheter-related bloodstream infection in burn patients. Surgical Infections Society, Miami, FL. May 2005.
533. Casanova L, Rutala WA, Weber DJ, Sobsey MD. Evaluation of methods for recovery of surrogate viruses from protective clothing worn by health care workers. American Society for Microbiology. June 2005.
534. Brown VM, Brooks BH, Adams TL, Featherstone BJ, Kittrell IP, Sickbert-Bennett EE, Rutala WA, Weber DJ. Implementation of the Cystic Fibrosis Foundation infection control guidelines: A multidisciplinary approach requiring continuous quality improvement. Association for Professionals in Infection Control and Epidemiology. Baltimore, MD. June 2005.
535. Kittrell IP, Brown VM, Weber DJ, Rutala WA. Reducing infections in a burn center using continuous quality improvement methodology. 19<sup>th</sup> Annual Southern Region Burn Centers of the American Burn Association. Durham, NC. 2006.
536. Hoffmann K, Rutala WA, Weber DJ, and EP Clontz. A twenty-five year experience with University-based Statewide Program for Infection Control and Epidemiology. 33<sup>rd</sup> Annual APIC Educational and International Conference, Conference manual. 2007
537. Rutala WA. Disinfection and sterilization in health care facilities. Fifth Congress on Disinfection, Antisepsis and Sterilization, Conference Text, p 5. April 2007.
538. Rutala WA. Selection and use of disinfectants. Fifth Congress on Disinfection, Antisepsis and Sterilization, Conference Text, p 33-34. April 2007.
539. Casanova LM, Rutala WA, Weber DJ, Sobsey MD. Effect of temperature and humidity on survival of coronaviruses on hard surfaces. American Society for Microbiology, Toronto, Canada, May 2007.
540. Folan MP, LA Talon, Lyman WH, Park GW, Sobsey MD, Weber DJ, Rutala WA. Efficacy of hospital germicides against human norovirus, a Common cause of epidemic gastroenteritis in health care. American Society for Microbiology, Toronto, Canada, May 2007.
541. Rutala WA. New developments in disinfection and sterilization. 3<sup>rd</sup> International Congress of the Asia Pacific Society of Infection Control, p. 32. Kuala Lumpur, Malaysia, July 2007.
542. Rutala WA. Reprocessing of endoscopes: Issues and solutions. 3<sup>rd</sup> International Congress of the Asia Pacific Society of Infection Control. p. 30, Kuala Lumpur, Malaysia, July 2007.

543. Casanova L, Alfano-Sobsey E, Rutala WA, Weber DJ, Sobsey MD. Assessing the risk of viral transmission from contaminated personal protective equipment to employees' skin and clothing in the healthcare setting. Society for Healthcare Epidemiology of America. Abstract 316a, page 45. Orlando. Florida. April 2008.
544. Hoffmann KK, DJ Weber, WA Rutala. Survey of methicillin-resistant *Staphylococcus aureus* screening and prophylactic practices in North Carolina hospitals. Society for Healthcare Epidemiology of America. Abstract 239, page 111. San Diego, CA. March 2008.
545. Hoffmann KK, Weber DJ, Rutala WA. Development and institution of uniform isolation signs across the state. Association for Professional in Infection Control and Epidemiology, Ft. Lauderdale, Florida. June 2009. Abstract Number 15-174.
546. Kang J, Sickbert-Bennett E, Brown V, Weber DJ, Rutala WA. Relative frequency of nosocomial pathogens at a university hospital by service from 1980 to 2008. 5<sup>th</sup> Decennial International Conference on Healthcare-Associated Infections. Abstract 961. Atlanta, GA. March 2010.
547. Kang J, Sickbert-Bennett E, Brown V, Weber DJ, Rutala WA. Relative frequency of nosocomial pathogens at a university hospital by infection site from 1980 to 2008. 5<sup>th</sup> Decennial International Conference on Healthcare-Associated Infections. Abstract 945. Atlanta, GA. March 2010.
548. Sickbert-Bennett EE, Brown VM, Rutala WA, Brooks RH, Miller MB, Jones MC, Weber DJ. Utility of surveillance cultures for control of multi-drug resistant (MDR) *Acinetobacter*. 5<sup>th</sup> Decennial International Conference on Healthcare-Associated Infections. Abstract 671. Atlanta, GA. March 2010.
549. Ritchey ME, Funk MJ, Marshall SW, Marinac-Dabic D, Rutala WA, Weber DJ. Changing rate of ventilator-associated pneumonia throughout duration of mechanical ventilation. 5<sup>th</sup> Decennial International Conference on Healthcare-Associated Infections. Abstract 987. Atlanta, GA. March 2010.
550. Ritchey ME, Funk MJ, Marshall SW, Marinac-Dabic D, Rutala WA, Weber DJ. Changing rate of bloodstream infections across duration of central venous access. 5<sup>th</sup> Decennial International Conference on Healthcare-Associated Infections. Abstract 390. Atlanta, GA. March 2010.
551. Adams T, Williams M, Brown V, Troxler H, Wood S, Tate A, McElroy J, Weber D, Rutala W. Using lean/six sigma quality improvement methodologies to reduce central line-associated bloodstream infections (CLABSI) in a pediatric hospital. 37<sup>th</sup> Annual Educational Conference and International Meeting of APIC. Abstract 12-141. p71. July 2010.
552. Rowe EC, Savage SW, Rutala WA, Weber DJ, Gergen-Teague M, Eckel SF. Evaluating USP chapter 797 Beyond use date extension with antineoplastics and monoclonal antibodies. American Society of Health System Pharmacist. Anaheim, CA. December 2010.
553. Rowe EC, Savage SW, Rutala WA, Weber DJ, Gergen-Teague M, Eckel SF. Evaluating microbial growth in various antineoplastics and monoclonal antibodies. American Society of Health System Pharmacist. Anaheim, CA. December 2010.
554. Kang J, Sickbert-Bennett EE, Brown VM, Weber DJ, Rutala WA. Incidence of healthcare-associated infections by pathogen at a University hospital from 2005 to 2011. 39<sup>th</sup> Annual Education Conference and International Meeting of APIC. June 2012.

555. Kanamori H, Weber DJ, Sickbert-Bennett EE, Brown V, Kaku M, Rutala WA. Descriptive analysis of healthcare-associated infections other than bloodstream, respiratory, urinary tract or surgical site. ID Week, October 2012.
556. Rutala WA, Gergen MF, Weber DJ. Efficacy of different “cleaning/disinfection” methods against *Clostridium difficile* spores: Importance of physical removal versus sporicidal inactivation. ID Week, October 2012.
557. Anderson D, Gergen MF, Weber DJ, Rutala WA. Effectiveness of ultraviolet (UV)-C light against *C. difficile*, *Acinetobacter* and vancomycin-resistant enterococci in the hospital environment. ID Week, October 2012.
558. Anderson DJ, Rutala WA, Knelson LP, Moehring RW, Chen LF, Weber DJ, Sexton DJ and the CDC Epicenter Prevention Program. Inter-hospital variation in time required for hospital room ultraviolet (UV)-C Irradiation. ID Week, October 2013.
559. Knelson LP, Williams DA, Gergen M, Rutala WA, Weber DJ, Sexton DJ, Anderson DJ and the CDC Epicenter Prevention Program. Environmental contamination by patients infected or colonized with MRSA or VRE: A multicenter study. ID Week, October 2013.
560. Chen L, Knelson LP, Gergen-Teague M, Better MO, Nicholson B, Lewis SS, Woods CW, Rutala WA, Weber DJ, Moehring RW, Sexton DJ, Anderson DJ. A prospective longitudinal study of transmission of multi-drug resistant organisms (MDROs) between environmental sites and hospitalized patients-Interim analysis of the TransFer study. ID Week.
561. Teal L, Sickbert-Bennett E, DiBiase L, Rutala WA, Brooks B, Williams D, Walters E, Bringhurst J, Weber DJ. A team approach to reducing catheter-associated urinary tract infections. APIC. Anaheim, CA. June 2013.
562. Tande BM, Rutala WA, Guerro DM, Carson P. Designing healthcare facilities to maximize the effectiveness of UV disinfection: Using computer simulations to better understand UV-C distribution in hospital rooms. APIC Anaheim, CA. June 2013
563. Kanamori H, Sickbert-Bennett EE, DiBiase L, Willis TS, Walters E, Williams D, Bringhurst J, Teal L, Brooks R, Goldbach S, Weber DJ, Rutala WA. “Clean in, clean out” initiative: Improving hand hygiene compliance among frontline healthcare personnel by observations of each other with immediate feedback. ID Week, Philadelphia, PA. October 2014
564. Knelson LP, Chen LF, Weber DJ, Rutala WA, Moehring RW, Lewis SS, Sexton DJ, Anderson DJ and the CDC Prevention Epicenters Program. Enhance terminal room disinfection: A qualitative summary of perspectives from environmental services and nurse managers. ID Week. Philadelphia, PA. October 2014.
565. Willis TS, Sickbert-Bennett EE, Rutala WA, Weber DJ. Successful frontline multidisciplinary design and ownership of a hand hygiene compliance program in an academic hospital. Institute for Healthcare Improvement. 20<sup>th</sup> Institute for Healthcare Improvement Scientific Symposium, Orlando, Florida. December 2014.
566. Sickbert-Bennett EE, DiBiase LM, Sanza MM, Miller MB, Rutala WA, Weber DJ. Validation of HAI Surveillance Data-Where Do We Begin? SHEA, May 2015
567. Sickbert-Bennett EE, DiBiase LM, Willis TS, Wolak ES, Weber DJ, Spears TG, Rutala WA. Reducing Healthcare-Associated Infections Via a Novel “All Hands on Deck” Approach for Hand Hygiene Compliance. SHEA, May 2015

568. Brooks R, Langston M, Koruda M, Weber DJ, DiBiase LM, Rutala WA, Sickbert-Bennett EE. Selecting appropriate bundle elements for surgical site infection prevention: An evidence-based approach. APIC 42<sup>nd</sup> Annual Conference. Am J Infect Control 2015. 43:S59-60.
569. Knelson LP, Ramadanovic GK, Chen LF, Moehring RW, Lewis SS, Rutala WA, Weber DJ, Sexton DJ, Anderson DJ, CDC Prevention Epicenter Program. Self-monitoring of hospital room cleanliness by environmental services may not accurately measure cleanliness. ID Week. San Diego. October 2015.
570. Kanamori H, Parobek CM, Weber DJ, Rutala WA, Juliano JJ. Application of whole-genome sequencing to investigation of a prolonged outbreak caused by multidrug-resistant *Acinetobacter baumannii* at a large academic burn center. ID Week. San Diego. October 2015.
571. Chen LF, Knelson LP, Gergen-Teague M, Better MO, Nicholson B, Lewis SS, Woods CW, Rutala WA, Weber DJ, Moehring RW, Sexton DJ, Anderson DJ, CDC Prevention Epicenter Program. A prospective study of transmission of multi-drug-resistant organisms (MDRO) between environmental sites and hospitalized patients-the TRANSFER study. ID Week. San Diego. October 2015.
572. Anderson D, Chen LF, Weber DJ, Moehring RW, Lewis SS, Triplett P, Blocker M, Becherer P, Schwab JC, Knelson LP, Lokhnygina Y, Rutala WA, Sexton DJ, and CDC Prevention Epicenter Program. The benefits of enhanced terminal room (BETR) disinfection study: A cluster randomized, multicenter crossover study with 2x2 factorial design to evaluate the impact of enhanced terminal room disinfection on acquisition and infection caused by multidrug-resistant organisms (MDROs). ID Week. San Diego. October 2015.

### **Presentations:**

#### **Invited United States Congressional Testimony**

1. Examination of Cutbacks in Hospital Disinfectant Testing (Hearing). Testified before the United States Senate, Joint Economic Committee, Subcommittee on Investment, Jobs and Prices, Washington, DC. August 1986.
2. Requirements for Infectious Waste Regulations (Hearing). Testified before the United States House of Representatives, Committee on Energy and Commerce, Subcommittee on Transportation, Tourism and Hazardous Materials, Washington, DC. October 1987.

#### **Invited Lectures (State, National and International Presentations)**

1. Legal Aspects of Solid Wastes. Association for Practitioners in Infection Control (Annual NC Chapter Meeting) Winston-Salem, North Carolina, September 1980.
2. Disposal of Solid Wastes from Hospitals and Nosocomial *Aspergillus flavus* Pneumonia Associated with Hospital Construction. Texas Society of Infection Control Practitioners. Dallas, Texas. June 1981.
3. Lost in the Disinfectant/Antiseptic Maze. Is There a Way Out? Association for Practitioners in Infection Control (Annual NC Chapter Meeting), Asheville, North Carolina. September 1981.
4. The ICP as an Environmentalist. Association for Practitioners in Infection Control (Annual NC Chapter Meeting), Wrightsville Beach, North Carolina. September 1982.

5. Epidemiology of Tuberculosis in North Carolina. American Lung Association of North Carolina (33rd Annual Institute-Blue Ridge Assembly), Black Mountain, North Carolina, July 1995.
6. Ineffectiveness of EPA Registered Quaternary Ammonium and Phenolic Compounds Against Hospital Strains of Bacteria and *Pseudomonas aeruginosa*. 97th AOAC Annual International Meeting, Washington, DC. October 1983.
7. TB Update: Management of TB Patient in Acute Care Hospitals. American Lung Association of North Carolina, (34th Annual Institute-Blue Ridge Assembly), Black Mountain, North Carolina, July 1984.
8. Comparison of JCAH, CDC and EPA Infectious Waste Positions (panel discussion). American Society for Hospital Engineering of the American Hospital Association, Chicago, Illinois, September 1984.
9. A Focus on Research. Association for Practitioners in Infection Control (Annual NC Chapter Meeting), Charlotte, North Carolina, October 1984.
10. Problems with Sterilization of Equipment Used in the Hospital. University of Virginia's Tenth Annual Symposium for Clinicians on Hospital Infection Control, Charlottesville, Virginia, November 1984.
11. APIC's View on Managing Infectious Waste. South Carolina Department of Health and Environmental Control, Columbia, South Carolina, February 1985.
12. Infectious Waste Disposal. American Society for Hospital Engineering of the American Hospital Association, San Antonio, Texas, May 1985.
13. Cost-Effective Application of the CDC Guidelines for Handwashing and Hospital Environmental Control. 12th Annual Educational Conference of the National Association for Practitioners in Infection Control, Cincinnati, Ohio, May 1985.
14. New Requirements for Infectious Waste Disposal. APIC Houston Annual Infection Control Seminar, Houston, Texas, September 1985.
15. Hazardous Waste Management. APIC Dallas-Ft. Worth Annual Infection Control Seminar, Dallas, Texas, September 1985.
16. Hazardous Waste Disposal and Treatment Methods. American Society for Hospital Engineering of the American Hospital Association, Baltimore, MD, November 1985.
17. Epidemiology and Statistics. Review for Certification Exam in Infection Control. University of Missouri-Columbia, Columbia, Missouri, November 1985.
18. Hospital Hazardous Waste Management Workshop. American Society for Hospital Engineering of the American Hospital Association, Kauai, Hawaii, December 1985.
19. Nosocomial Infections: An Overview and Infection surveillance and reduction. Asepsis and Infection Control Seminar, Seattle, WA. March 1986.
20. Standards: Infectious Waste and Disinfection: Recommendations for Infection Control. 13th Annual Educational Conference of the National Association for Practitioners in Infection Control, Las Vegas, Nevada. May 1986.

21. Infection Control in Local Health Departments. 75th Annual Meeting of the North Carolina Public Health Association, Greensboro, NC. September 1986.
22. Infectious Waste Management. Ohio Infectious Waste Ad Hoc Advisory Committee, Columbus, OH. September 1986.
23. Disinfection and Antisepsis: Recommendations for Infection Control and Management of Infectious Waste from Hospitals. Middle Tennessee Chapter, Nashville, TN. October 1986.
24. Hospital Waste Management. Western New York Infection Control Officers 12th Annual Infection Control Symposium, Syracuse, NY. October 1986.
25. Environmental Concerns in Long-Term Care Facilities. Association for Practitioners in Infection Control (Annual NC Chapter Meeting), Raleigh, NC. October 1986.
26. Infection Control Consultation at the State Level and Current Status of the Hepatitis B Vaccine for Health Care Workers. University of Florida College of Medicine Infection Control Workshop. Gainesville, FL. November 1986.
27. Current Issues in Infection Control: Handwashing, Infectious Waste Disposal and the Role of the ICP in Antibiotic Cost Containment. University of South Florida College of Medicine. Tampa, FL. November 1986.
28. Infectious Waste. Ohio Society for Central Service Management Educational Program. Columbus, OH. November 1986.
29. Hospital Waste and the Community. A Symposium on Infectious Waste: Issues and Controversies. Chattanooga, TN. February 1987.
30. Standards: Infectious Waste and Disinfectants and Antiseptics: Recommendations for Infection Control. APIC-Southwest Missouri Chapter. Springfield, Missouri. March 1987.
31. Infectious Waste Management and Cost Effective Application of the CDC Guidelines for Prevention of Nosocomial Infections. APIC-South Carolina. Columbia, SC. March 1987.
32. Infectious Waste. Testified before New Jersey State Grand Jury, Trenton, NJ. April 1987.
33. Antiseptics and Disinfectants: Recommendations for Infection Control and Environmental Issues and Nosocomial Infections. Ark-La-Tex Chapter of APIC. Shreveport, LA. September 1987.
34. Infectious Waste Management. National APIC Regional Seminar Series. Chicago, Illinois. September 1987.
35. Infectious Waste Management. National APIC Regional Seminar Series. Phoenix, Arizona. October 1987.
36. Problems with Evaluation of Germicidal Efficacy. American Society for Microbiology Symposium on Chemical Germicides in the Health Care Field. Crystal City, Virginia. November 1987.
37. Environmental Issues: Disinfection, Waste Management, Linen Management. Conference on Body Substance Isolation/Universal Precautions. APIC of Greater Atlanta and Georgia Hospital Association Research and Education Foundation. Atlanta, Georgia. December 1987.

38. Hospital Disinfectants - 1988: Science and Politics. East Bay Infection Control Journal Club and SHEA. Oakland, California. March 1988.
39. Universal Blood and Body Fluid Precautions. Greater Sacramento Epidemiology Association. Sacramento, California. March 1988.
40. Infectious Waste: What Are the Risks? (Hearing). Testified before the Texas House of Representatives-Senate Task Force on Waste Management Policy. Austin, Texas. April 1988.
41. Infectious and Cytotoxic Drug Waste Management from Health Care Facilities. First National Symposium on Incineration of Infectious Wastes. Washington, DC. May 1988.
42. Universal Precautions. Middle Atlantic District National Executive Housekeepers Association and Virginia Chapter Association for Practitioners in Infection Control. Alexandria, VA. May 1988.
43. Infectious Waste Management. American Health Consultants. Boston, MA. July 1988.
44. Infectious Waste Management and Antiseptics/Disinfectants - "Who's Got the Best Dip?" Arkansas Hospital Association. Little Rock, AK. September 1988.
45. Hospital Infectious Waste. APIC Bluegrass and Eastern Kentucky University. Richmond, KY. October 1988.
46. Infectious Waste Management. Kentucky Infectious Waste Task Force. Frankfurt, KY. October 1988.
47. Infectious and Cytotoxic Waste: Today Regulations. Fifth Annual Central Plains Expo. Wichita, KS. October 1988.
48. Efficacy of Hospital Disinfectants. University of Virginia's Thirteenth Annual Symposium for Clinicians on Hospital Infection Control. Charlottesville, VA. November 1988.
49. Selection and Use of Hospital Disinfectants. Texas Society of Infection Control Practitioners. San Antonio, TX. November 1988.
50. Chemical Exposures in the Workplace. SHEA. Baltimore, MD. March 1989.
51. Infectious Waste Management. Washington State Hospital Association, Seattle, WA. March 1989.
52. Management of Infectious Waste. APIC-New England, Sturbridge, MA. March 1989.
53. Disinfection/Sterilization/Antisepsis. APIC, Chicago, IL. April 1989.
54. Infectious Waste Management from Health Care Facilities. American Hospital Association/Enercon Conference, Greensboro NC, April 1989.
55. Infectious Waste: What Are the Risks? Testified before the North Carolina House of Representatives Subcommittee on Health and Disease Prevention, Raleigh NC, May 1989.
56. Infectious Waste. Office Sterilization and Asepsis Procedures Research Foundation and the University of Texas Health Science Center at San Antonio, San Antonio TX, June 1989.

57. Chemical Exposures in the Health Care Setting and Infectious Waste Management. Sixth Annual Northwoods Infection Control Update, Rhinelander WI, September 1989.
58. Infectious Waste Management from Health Care Facilities (Keynote Address). Air and Waste Management Association (Midwest Section) and American Industrial Hygiene Association (Mid-America Section), Overland Park, Kansas, September 1989.
59. Infectious Waste Management in US Hospitals and Overview of Disinfectants Use. European Conference on Sterilization. St. Paul, MN. September 1989.
60. Medical Waste: Setting Priorities for the Next Decade. APIC-Virginia, Fairfax, VA, September 1989.
61. Antimicrobial Activity of Hospital Disinfectants Against Mycobacteria. Texas Branch, American Society for Microbiology, San Antonio, TX, October 1989.
62. Are Disinfectants Doing What Their Labels Claim? Harvard Medical School Symposium on Nosocomial Infectious Diseases and Hospital Epidemiology, Boston, MA, October 1989.
63. Hospital Hygiene. Pan American Health Organization of the World Health Organization and SHEA, Washington, DC, December 1989.
64. Chemical Disinfection - Updated Guidelines. APIC - Greater Baltimore Chapter and Maryland Organization of Central Services, Baltimore, MD, March 1990.
65. Infection Control in Home Care Settings. North Carolina Association for Home Care, Raleigh, NC, April 1990.
66. Protecting Patients, Employees and the Environment. NC Healthcare Risk Management Seminar, Wrightsville Beach, NC, May 1990.
67. Lost in the Disinfectant Maze? Is There a Way Out? 17th Annual Educational Conference of the National Association for Practitioners in Infection Control, Washington, DC, June 1990.
68. Disinfection Protocols and Sailing into the 90's. Community and Hospital Infection Control Association - Canada, Kingston, Ontario, Canada, June 1990.
69. Disinfection/Sterilization and Infectious Waste. Nebraska Infection Control Network, Omaha, Nebraska, June 1990.
70. Selection and Use of Disinfectants and Medical Waste. APIC Region 9 and Tri-State Chapter of National Executive Housekeepers, New Harmony, Indiana, July 1990.
71. Roundtable on Disinfectant and Sterilant Testing (Co-chair and presenter). ASM International Symposium on Chemical Germicides, Atlanta, Georgia, July 1990.
72. Infectious Waste Management. Greater St. Louis Association for Practitioners in Infection Control, St. Louis, Missouri, August 1990.
73. Sterilization, Disinfection and Infectious Waste Disposal in the Health Care Setting. APIC Bluegrass and Saint Joseph Hospital, Lexington Kentucky, September 1990.
74. Infectious Waste: North Carolina Update. APIC - North Carolina 14th Annual Educational Conference, Asheville, North Carolina, October 1990.



75. Prying Eyes: Successful Environmental Rounds. APIC - Palmetto and South Carolina Society of Infection Control Practitioners, Columbia, South Carolina, October 1990.
76. Session: Environmental Aspects of Nosocomial Infections (Co-Chair and presenter). Topic: Infectious Waste: Dissonance Between Science and Policy. 30th Interscience Conf. Antimicrobial Agents and Chemotherapy, Atlanta, Georgia, October 1990.
77. Disinfectants: Matching Products to Process and Through the Eyes of the Beholder: Infectious Waste Disposal, APIC - Middle Tennessee, Nashville, Tennessee, November 1990.
78. Hot Infection Control Issues and Disinfectants - New Guidelines and Controversies, Rocky Mountain Infection Control Association, Salt Lake City, Utah, March 1991.
79. Infectious Waste Management. Association of Operating Room Nurses (AORN), Atlanta, GA, April 1991.
80. Disinfection and Disinfection of Endoscopes and other Semicritical Items. Second National Meeting on Nosocomial Infections under auspices of the Minister of Health. Vina del Mar, Chile, August 1991.
81. Disinfectant Use in Hospitals: Problems and Concerns. California APIC Coordinating Council, Los Angeles, CA, September 1991.
82. Managing Infectious Waste and Choosing Disinfectants for Use in the OR. Fourth Annual Managing Today's OR Suite: 1991. Massachusetts General Hospital and OR Manager. Boston, MA, October 1991.
83. Disinfectants Used in Hospitals: Problems and Concerns and Disinfection Practices for Endoscopes and Other Semicritical Items. Sacred Heart-Saint Mary's Hospitals, Inc. Rhinelander, WI, October 1991.
84. Disinfection and Sterilization. Florida APIC. Orlando, Florida. November 1991.
85. Treatment and Handling of Medical Waste and New OSHA Bloodborne Pathogen Rules. NC Hospital Association. Durham, NC, February 1992.
86. OSHA's Final Rule: Occupational Exposure to Bloodborne Pathogens. North Carolina APIC. Chapel Hill, NC, March 1992.
87. Comparative Approaches and Public Health Implications of Disposal of Medical Waste and Are Current Disinfection Practices Adequate to Protect Public Health. Fifth National Forum on AIDS, Hepatitis and Other Blood-Borne Pathogens, National Foundation for Infectious Diseases. Atlanta, GA, March 1991.
88. OSHA's Final Rule: Occupational Exposure to Bloodborne Pathogens. North Carolina Hospital Association. Greensboro, NC, April 1992.
89. Selection and Use of Disinfectants and Disinfection of Patient Care Items. The University of Iowa Hospitals and Clinics and The Iowa Department of Public Health. Ames, IA, May 1992.
90. Disinfection of Health-care Equipment. Florida Consortium for Infection Control. Miami Beach, FL, May 1992.

91. Disinfection and Sterilization: What's New? 20th Annual Education Conference of the National Association for Practitioners in Infection Control, San Francisco, CA, June 1992.
92. OSHA Bloodborne Pathogens Standard. North Carolina Care Facilities Association, Greensboro, NC, July 1992.
93. Germ Warfare. APIC Indiana. Indianapolis, IN, July 1992.
94. The Grey Areas of Red Bag Waste. Vermont Hospital Association. Killington, Vermont, August 1992.
95. Disinfection of Endoscopes. 3M Infection Control Symposium. High Point, NC, October 1992.
96. Clean Up - Sterilization and Disinfection. Florida Practitioners in Infection Control. Orlando, FL, September 1992.
97. Managing Medical Waste. North Carolina APIC, Winston-Salem, NC, October 1992.
98. Infection Control Issues of the 90's and Disinfection Practices for Endoscopes and Other Semicritical Items (Keynote Address). 6th National Conference of the Australasian Infection Control Association. Gold Coast, Queensland, Australia, October 1992.
99. Disinfection Practices and Products and Sterilization-Old Techniques for New Technologies. Texas Society of Infection Control Practitioners. Austin, TX, October 1992.
100. Disinfection and Sterilization: What's New? Memphis APIC. Memphis, TN, November 1992.
101. Disinfection and Sterilization: What's New? Arkansas APIC. Little Rock, AR, December 1992.
102. Disinfectants Used in Hospitals and Disinfection Practices for Endoscopes and Other Semicritical Items. Deep South Infection Control Conference. APIC Greater Jackson. Natchez, MS, February 1993.
103. Disinfection and Sterilization: What's New? APIC New England. Sturbridge, MA, March 1993.
104. Dissecting Disinfection, CHICA-Canada. Edmonton, Alberta, Canada, April 1993.
105. Medical Waste Management and Disinfection and Sterilization: What's New? Hong Kong Hospital Authority and Hong Kong Infection Control Nurses' Association. Hong Kong, May 1993.
106. Public Health Implications of Medical Waste. Kilmer Memorial Conference. Brussels, Belgium, June 1993.
107. Controversies in Chemical Sterilizing/Disinfecting Solutions. 1993 Annual Symposium of the Office Sterilization and Asepsis Procedures Research Foundation. Chapel Hill, NC, June 1993.
108. Disinfectants and Disinfection for the Infectious Disease Practitioner. Infectious Disease Society of Tennessee. Nashville, TN, September 1993.
109. Antisepsis, Disinfection and Sterilization. APIC Palmetto, Greenville, SC, October 1993.
110. Infectious Waste Management and Selection and Use of Disinfectants. Western New York State Infection Control Officers. Buffalo, NY, October 1993.

111. Disinfection and Sterilization. Louisiana Hospital Association. Alexandria, LA, November 1993.
112. Environmental Update. Association of Operating Room Nurses. New Orleans, LA, March 1994.
113. Disinfection and Sterilization in the 90s. Wisconsin APIC, Brookfield, Wisconsin, April 1994.
114. Chemical Germicide Use in the United States: 1994 and Beyond (Keynote Address), APIC, Cincinnati, Ohio, May 1994.
115. Current and Emerging Concerns in Infection Control (Roundtable) - Preceded 3rd International Conference of the Hospital Infection Society. London, England, September 1994.
116. Lost in the Disinfectant, Antiseptic, Sterilant Maze? A Rational Approach to Solution Use! Nebraska Association of Hospitals and Health Systems. Lincoln, NE, October 1994.
117. Disinfection and Sterilization: Present and Future. Michigan Society of Infection Control. Lansing, MI, October 1994.
118. Disinfection and Sterilization: What's New? APIC North Carolina and APIC Palmetto. Charleston, SC, October 1994.
119. The Bugs Stop Here: Disinfection, Sterilization and Antisepsis. Marian Health Center. Sioux City, Iowa. January 1995.
120. Disinfection and Sterilization. 5th Annual Scientific Meeting of SHEA. San Diego, CA, April 1995.
121. Infection Control in the 90's and Disinfection, Sterilization and Antisepsis. Infection Prevention in the 21st Century Conference, Shanghai, China, April 1995.
122. Future of Low-temperature Sterilization Technology (Roundtable). Communicore, San Francisco, CA, April 1995.
123. Chemical Germicides - What's the Right Choice. 22nd Annual APIC Educational Conference and International Meeting, Las Vegas, Nevada, June 1995.
124. New Technologies in Disinfection and Sterilization in the Operating Room and Central Sterile Department and Guidelines for the Selection and Use of Disinfectants and Cost-Effective Handling of Medical Waste in Extended Care Facilities. Safety and Infection Control Consultants of America, Marlborough, MA, June 1995.
125. Fundamentals of Disinfection, Sterilization and Antisepsis. Smokey Mountain APIC. Pigeon Forge, TN, September 1995.
126. Disinfectants and Sterilants: New Methods and Products. Florida Professionals in Infection Control, Orlando, FL, September 1995.
127. Disinfection and Sterilization: What's the Right Choice. APIC-NC, Asheville, NC. October 1995.
128. Disinfection of Endoscopes. Society of Gastroenterology Nurses and Associates, Pittsburgh, PA. October 1995.
129. Disinfection and Sterilization. APIC Long Island, Long Island (Smithtown), NY. October 1995.

130. Disinfection and Sterilization: What's New. Cleveland Clinic, Cleveland, Ohio, January 1996.
131. Disinfection and Sterilization: What's New. APIC Puget Sound, Seattle, Washington, February 1996.
132. Low Temperature Sterilization Technology: A Comparative Review of Emerging Technologies and Environmental Initiatives - Part I: Action at the Local Level (What Needs To Go Into The Red Bags). AORN 43rd Annual Congress, Dallas, TX. March 1996.
133. APIC Perspective of Reuse of Medical Devices. AAMI/FDA Conference on Designing, Testing, and Labeling Reusable Medical Devices for Reprocessing in Health Care Facilities, Washington, DC. April 1996.
134. Disinfection and Sterilization. 6th Annual Scientific Meeting of SHEA. Washington, DC. April 1996.
135. Disinfection and Sterilization. Second Annual Conference on Infectious Diseases. AORN. Atlanta, GA. May 1996.
136. New Low Temperature Sterilization Technologies. 96th General Meeting of American Society for Microbiology, New Orleans, LA. May 1996.
137. Changing Practices in Sterilization and Disinfection. 23rd Annual APIC Educational Conference and International meeting, Atlanta, GA. June 1996.
138. New Technologies in Disinfection and Sterilization and Medical Waste and Glutaraldehyde and Other High-Level Disinfectants, Spanish Society of Epidemiology, Zaragoza, Spain. October 1996.
139. Sterilization and Disinfection. APIC Kentuckiana Chapter. Louisville, KY. November 1996.
140. What's New in Sterilization and Disinfection. International Association of Healthcare Central Service Material Management, Indianapolis, IN. November 1996.
141. Disinfection and Sterilization of Thermolabile Equipment and New Perspective in Sterilization of Thermosensitive and Thermoresistant Instruments and Environments and Equipments as a Source of Multiresistant Microorganisms and Criteria for Selection and Use of Disinfectants. 5th Brazilian Congress on Hospital Infection. Rio de Janeiro, Brazil, November 1996.
142. Biological and Chemical Indicator Technologies: What is the Difference Between a BI and a CI? 44th Annual Congress of the Association of Operating Room Nurses. Anaheim, CA. April 1997.
143. Disinfection and Sterilization: What's New. 7th Annual Scientific Meeting of the Society for Healthcare Epidemiology of America. St. Louis, Missouri. April 1997.
144. Water as a Reservoir of Nosocomial Pathogens. 97th General Meeting of the American Society for Microbiology. Miami, FL. May 1997.
145. Principles of Reprocessing Endoscopes. American Society of Gastrointestinal Endoscopy/Digestive Disease Week, Washington, DC. May 1997.
146. Principles of Disinfection. International Symposium of Sterilization, Disinfection and Antisepsis. New Orleans, LA. June 1997.

147. Principles of Disinfection and High Level Disinfection for Semicritical Items and Low Temperature Sterilization Technology and Susceptibility of Antibiotic Resistant Microbes to Chemical Germicides. Singapore. September 1997.
148. Occupational Hazards of Disinfectants and Sterilants and Disinfectant Testing and Microbiologic Testing and Role of Medical Device Cleaning and Monitoring the Sterilization Process and Principles of Disinfection and Disinfection of Reusable Devices/Endoscopes. Malaysia Ministry of Health. Mulacca, Malaysia. September 1997.
149. Disinfection and Sterilization: What's New. American Society of Central Service Professionals of AHA, Nashville, TN. October 1997.
150. Disinfection and Sterilization. Third Annual Conference on Infectious Diseases. AORN. Atlanta, GA. October 1997.
151. Reprocessing Equipment for Patient Use. Central Plains Expo. Kansas Society of Central Service Professionals, Wichita, KS. October 1997.
152. Disinfection and Sterilization. APIC-North Carolina/Palmetto Chapters, Asheville, NC. November 1997.
153. Low-Temperature Sterilization Technologies. Seventh International Kilmer Memorial Conference. Phoenix, AZ. March 1998.
154. Disinfection and Sterilization and Protecting the Healthcare Worker. 45<sup>th</sup> Annual Congress of the Association of Operating Room Nurses. Orlando, FL. March 1998.
155. Disinfection and Sterilization: Meet the Consultant. Eighth Annual Scientific Meeting of the Society for Healthcare Epidemiology of America. Orlando, FL. April 1998.
156. Role of Environmental Pollution in Nosocomial Infection Transmission and Reuse of Disposable Devices and Requirements For Disinfecting Endoscopes and Low Temperature Sterilization Technologies. Second Pan American Congress of Nosocomial Infections. Mar del Plata, Argentina. April 1998.
157. Changing Practices in Disinfection and Sterilization. Rocky Mountain Infection Control Association. Salt Lake City, Utah. April 1998.
158. Infection Control Update and Disinfection and Sterilization: What's New. APIC Alaska (Midnight Sun Chapter 65). Anchorage, AK. May 1998.
159. Infection Control Update. Society of Gastroenterology Nurses and Associates, 25<sup>th</sup> Annual Course. Denver, CO. May 1998.
160. Infection Control and Epidemiology: The Basics. 1998 Annual Symposium of Office Sterilization and Asepsis Procedures. Providence, RI. June 1998.
161. Disinfection and Sterilization. Fourth Annual Conference on Infectious Diseases. AORN. Atlanta, GA. June 1998.
162. Studies on Low Temperature Sterilization Systems. Edinburgh, Scotland. September 1998.
163. Infection Control: The Role of Disinfection and Sterilization. The 4<sup>th</sup> International Conference of the Hospital Infection Society. Edinburgh, Scotland. September 1998.

164. Disinfection and Sterilization. Northern NJ APIC. Morristown, NJ. September 1998.
165. Disinfection/Sterilization of Reusable and Single Use Items. APIC Greater Jackson Chapter. Natchez, MS. October 1998.
166. Selection and Use of Disinfectants and Low Temperature Sterilization Technology. International Conference on the Control of Hospital-Acquired Infections. Lima, Peru. November 1998.
167. Cleaning and Sterilization Technology - Health Care Industry. Jet Propulsion Laboratory Workshop on Planetary Protection (Mars Project). Pasadena, CA. December 1998.
168. Studies on the Bioburden of Medical Devices and Studies on Various Hydrogen Peroxide Gas Plasma Sterilizers. International Workshop on Efficacy Testing of Cleaning, Disinfection and Sterilization. Heidelberg, Germany. March 1999
169. Inanimate Environment. Ninth Annual Scientific Meeting of the Society for Healthcare Epidemiology of America. San Francisco, CA. April 1999.
170. Changing Practices in Disinfection and Sterilization and Susceptibility of Antibiotic Resistant Microbes to Chemical Germicides. 26<sup>th</sup> Annual APIC Educational Conference and International Meeting, Baltimore, MD. June 1999.
171. Inanimate Environment. 1<sup>st</sup> International Congress of the Asia Pacific Society of Infection Control, Macau (Pre-Conference). August 1999.
172. Developing a Hospital Waste Management Program and New Methods of Sterilization – Actual Needs in the Hospital and New Low Temperature Sterilization Technology and Assessing New Sterilization Technologies. 1<sup>st</sup> International Congress of the Asia Pacific Society of Infection Control, Hong Kong. August 1999.
173. Disinfection and Sterilization. Fifth Annual Conference on Infectious Diseases. AORN. Atlanta, GA. August 1999.
174. Disinfection: What to use and when. APIC-VA. Williamsburg, VA. October 1999.
175. Newer Technologies in Disinfection and Sterilization. Ed Bixby Institute Research Medical Center. Kansas City, MO. October 1999.
176. Inanimate Environment in the Operating Room and Infection Control. Japanese Association of Operative Medicine. Osaka, Japan. October 1999.  
  
Recommendation for Selection and Use of Disinfectants from the APIC Guidelines. Tokyo, Japan. October 1999.
177. Changing Practices in Disinfection and Sterilization. APIC-WV. Flatwoods, WV. November 1999.
178. Advances in Disinfection and Sterilization. X National Congress of the Spanish Society of Preventative Medicine. Gijon, Spain. November 1999.
179. New Systems for Low Temperature Sterilization in Hospitals. Atlanta, GA. March 2000.
180. New Methods in Disinfection and Sterilization. 4<sup>th</sup> Decennial International Conference on Nosocomial and Healthcare-Associated Infections. Atlanta, GA. March 2000.

181. CJD: Disinfection and Sterilization. 100<sup>th</sup> Meeting of the American Society for Microbiology. Los Angeles, CA. May 2000.
182. Waste Management: How to be Friendly to the Environment. 27<sup>th</sup> Annual Educational Conference and International Meeting. Minneapolis, MN. June 2000
183. An Overview of the Use of Chemical Germicides in Healthcare and New Technologies for Sterilization and Disinfection. APIC Postconference on Disinfection, Antisepsis and Sterilization: Practices and Challenges for the New Millennium. Minneapolis, MN. June 2000.
184. Disinfection and Sterilization. First International Meeting-Hospital Infection Control Strategies for Countries with Limited Resources. Havana, Cuba. June 2000.
185. The Role of the Environment in Nosocomial Infections. 5<sup>th</sup> National Congress on Nosocomial Infections. Mexico City, Mexico. August 2000.
186. Surface Disinfection: Should We Do It? 6<sup>th</sup> International BODE Hygiene Days. Vienna, Austria. September 2000.
187. Use of Gowns and Drapes in Health Care. International Wovens Technical Conference 2000. Dallas, Texas. September 2000.
188. Infection Control: The Role of Disinfection and Sterilization. Advances in Infection Control and Sterilization, 2000 Symposium. Adelaide, Australia, November 2000.
189. Inanimate Environment in the Operating Room and Infection Control. New Zealand Sterile Services Association. Auckland, New Zealand. November 2000.
190. New Research in Surface Disinfection. Chemical Specialties Manufacturers Association Joint Antimicrobial/Pesticide Division Program. Fort Lauderdale, Florida. December 2000.
191. Reuse of Single Use Devices: FDA Action (and Selection and Use of Disinfectants). 16<sup>th</sup> Annual Meeting of the Japanese Society of Environmental Infections. Tokyo, Japan. February 2001.
192. Use of Drapes and Gowns in Healthcare. IDEA1, The International Nonwovens Conference and Exposition. Miami, Florida. March 2001.
193. New Technologies in Low-Temperature Sterilization. Central Sterilising Club (United Kingdom). Manchester, England. May 2001.
194. Microbiologic Sampling of the Environment and Prevention of Surface Contamination. American Society for Microbiology General Meeting. Orlando, Florida. May 2001.
195. New Disinfection and Sterilization Technologies and FDA Standards on Reuse of Medical Equipment. APIC 28<sup>th</sup> Annual Educational and International Meeting, Seattle, WA. June 2001.
196. CJD Recommendations and New Disinfection and Sterilization Technologies. North Carolina Association of Hospital Central Service Professionals. Winston-Salem, NC. July 2001.
197. Selection and Use of Disinfectants and Sterilization in Healthcare Facilities and Inanimate Environment in the Operating Room and Infection Control. 12<sup>th</sup> National Congress and 1st International Congress on Infections in the Operating Room and Sterilization. Vina del Mar, Chile. August 2001.

198. Best Practices: Reprocessing of Medical Devices. New South Wales Infection Control Association, New South Wales Infection Control Resource Centre, New South Wales Operating Theatre Association. Sydney, Australia. September 2001.  
  
Infections Associated with Improperly Processed Endoscopes and Accessories and Endoscope Reprocessing: Current Status of Cleaning and Disinfection Methods and Recommendations for Infection Prevention in Endoscopy. Asian Pacific Association of Gastroenterology and Gastroenterological Nurses College of Australia. Conference. Sydney, Australia. September 2001.
200. Cleaning, Disinfection and Sterilization and Medical Waste. South Dakota Infection Control Conference. Rapid City, South Dakota. October 2001.
201. Draft Guideline for Environmental Infection Control in Healthcare Facilities, 2001. APIC-NC and APIC-Palmetto (SC). Greensboro, NC. October 2001.
202. Overview of Disinfection and Sterilization Technologies. The Twenty-Seventh Annual Symposium on Infection Control. Western New York State Infection Control Organization. Rochester, NY. October 2001.
203. Disinfection and Sterilization. Sixth Conference on Infectious Diseases. AORN and Kimberly-Clark. Roswell, GA. December 2001.
204. Sterilization and Disinfection for Prion Disease: US Perspective (and Meet the Consultant: Sterilization/Disinfection and Endoscopy). 12<sup>th</sup> Annual Scientific Meeting of The Society of Healthcare Epidemiology of America. Salt Lake City, Utah, April 2002.
205. New Disinfection and Sterilization Technologies. APIC New England. Auburn, MA. April 2002.
206. What's New in Disinfection and Sterilization (and Creutzfeldt-Jakob Disease Panel). International Association of Healthcare Central Service Materiel Management. Orlando, FL. May 2002.
207. New Sterilization and Disinfection Technologies. Office Sterilization and Aseptic Practices. Nashville, TN. May 2002.
208. Prevention of Infection Due to Endoscopy. Society of Gastrointestinal Nurses and Associates, Phoenix, AZ. May 2002
209. Reprocessing of Medical Devices Labeled for "Single-Use": What You Need to Know. Association of Medical Device Reprocessors, 29<sup>th</sup> Annual APIC Educational Conference. Nashville, TN. May 2002.
210. CJD: Disinfection and Sterilization Issues (and Meet the Expert-Disinfection and Sterilization). 29<sup>th</sup> Annual APIC Educational Conference. Nashville, TN. May 2002.
211. Sterilization in Healthcare Facilities and Inanimate Environment in the Operating Room and Infection Control and Sterilization Practices in Healthcare Facilities and Selection and Use of Disinfectants. SOBECC-Brazilian Society for Nurses of Central Processing and Surgery. Sao Paulo, Brazil. July 2002.
212. Decontamination of Heat-Sensitive Items (Lowbury Lecture) and Disinfectants or Detergents for Environmental Cleaning and Prevention of Infection Due to Endoscopy. Fifth International Conference of the Hospital Infection Society. Edinburgh, Scotland. September 2002.



213. Hand Hygiene. APIC-NC Education Conference. Wilmington, NC, September 2002.
214. Guideline for Disinfection and Sterilization in Healthcare Facilities. 42<sup>nd</sup> Interscience Conference of Antimicrobial Agents and Chemotherapy. San Diego, CA. September 2002.
215. New Developments in Disinfection and Sterilization (Keynote Address). Congress of the German Association of Hygiene and Microbiology. Heidelberg, Germany. October 2002.
216. Reuse of Single-Use Medical Devices: Hospital Perspective. American Society for Healthcare Central Service Professionals. San Antonio, TX. October 2002.
217. Disinfection and Sterilization in Healthcare in the Third Millennium and Sterilization and Disinfection Policies to Address the Threat of Human Prion-Related Diseases. University of Wisconsin-Madison. Madison, Wisconsin. January 2003.
218. What's New in Disinfection and Sterilization. Maryland Infection Control Network/Johns Hopkins University. Baltimore, MD. March 2003.
219. The New CDC Guidelines for Disinfection and Sterilization: Issues and Controversy. SHEA Preconference. Washington, DC. April 2003.
220. Environmental Control and Nosocomial Pathogens. SHEA/CDC Training Course in Healthcare Epidemiology. Atlanta, GA. May 2003.
221. Endoscope Reprocessing: United States Perspective. 7<sup>th</sup> International Bode Hygiene Days. Barcelona, Spain. May 2003.
222. Disinfection and Sterilization in Healthcare Facilities: CDC Guidelines and Activity of Germicides Against Bioterrorist Agents and Disinfection and Sterilization of Tissue and Surface Disinfection: Should We Do It? APIC 2003 Postconference on Disinfection, Sterilization and Antisepsis. San Antonio TX. June 2003
223. Transmissible Spongiform Encephalopathy (TSE) Agents and Infection Control in Hospitals: Experience in USA. Food and Drug Administration TSE Advisory Committee. Bethesda, MD. July 2003.
224. What's New in Disinfection and Sterilization. Florida Practitioners in Infection Control. Orlando, FL. September 2003.
225. Prions and Reprocessing of Reusable Medical Products. Eighth International Kilmer Memorial Conference. Osaka, Japan. October 2003.
226. Disinfection and Sterilization in Healthcare Facilities. American Society of Healthcare Central Service Professionals. Grand Rapids, MI. October 2003.
227. Disinfection and Sterilization in Healthcare Facilities. Arkansas Practitioners for Infection Control. Little Rock, AR. November 2003.
228. Disinfection and Sterilization in Health Facilities. Bay Area Chapter of APIC, Tampa, FL. January 2004.

229. Prevention of Infections Associated with Endoscopy and The New CDC Guideline for Disinfection and Sterilization and CJD: Recommendations for Disinfection and Sterilization and Medical Waste Management and Recommendations for Infection Prevention in Endoscopy. Asia Pacific Society of Infection Control, Singapore. March 2004.
230. Surface Disinfection: Should We Do It? and Recommendations for Infection Prevention in Endoscopy. International Congress of the German Society for Hospital Hygiene, Berlin, Germany. April 2004.
231. Disinfection and Sterilization: Issues and Controversies. Society of Healthcare Epidemiology of American, Philadelphia, PA. April 2004.
232. Environmental Control of Nosocomial Pathogens. SHEA/CDC Training Course. Boston, MA. May 2004.
233. Use of Disinfectants in Health Care: A Cause for Concern? 104<sup>th</sup> ASM Annual Meeting. New Orleans, LA. May 2004.
234. Disinfection and Sterilization: Issues and Controversies. 31<sup>st</sup> Annual Educational Conference and International Meeting. Phoenix, AZ. June 2004.
235. Sterilization and Disinfection: CDC Guidelines and CJD and Prions: Processing of Reusable Medical Products and Endoscope Reprocessing: Current Status of Disinfection Recommendations and Inanimate Environment in the Operating Room and Infection Control. APIC Greater New Orleans and River Region Chapters. New Orleans, LA. September 2004.
236. Sterilization and Disinfection: CDC Guidelines and CJD and Prions: Processing of Reusable Medical Products and Endoscope Reprocessing: Current Status of Disinfection Recommendations and Inanimate Environment in the Operating Room and Infection Control. APIC Dallas-Forth Worth, Dallas, TX. September 2004.
237. Clean vs. Mean! What Role Does the Environment Play in the Transmission of Nosocomial Pathogens? 42<sup>nd</sup> Annual Meeting of the Infectious Diseases Society of America. Boston. October 2004.
238. Principles of Sterilization and Prevention of Infections in Endoscopy and Surface Disinfection: Pro and Con. 5<sup>th</sup> Congress of the International Federation of Infection Control (IFIC), Porec, Croatia, October 2004
239. Disinfection and Sterilization in Healthcare Facilities. APIC Northeast Florida. Jacksonville, Florida. April 2005.
240. Disinfection and Sterilization and Environmental Infection Control in Health Care Facilities. APIC New England. Springfield, MA. May 2005
241. Disinfection and Sterilization and Environmental Infection Control in Health Care Facilities. APIC Midnight Sun, Anchorage, Alaska. May 2005
242. Environmental Control and Nosocomial Pathogens. SHEA/CDC Training Course in Healthcare Epidemiology. St. Louis, Missouri. May 2005.
243. The New CDC Guideline for Disinfection and Sterilization and Disinfection and Sterilization-Meet the Expert. APIC's 32<sup>nd</sup> Annual Educational Conference and International Meeting. Baltimore, MD. June 2005

244. Sterilization and Disinfection: CDC Guidelines and CJD and Prions: Processing of Reusable Medical Products and Endoscope Reprocessing: Current Status of Disinfection Recommendations and Inanimate Environment in the Operating Room and Infection Control. APIC Dallas-Forth Worth, Dallas, TX. August 2005.
245. Disinfection and Sterilization in Healthcare Facilities. APIC Virginia. Richmond, VA. October 2005.
246. Disinfection and Sterilization in Healthcare Facilities and Medical Waste Management. 1<sup>st</sup> Eastern Mediterranean Regional Network for Infection Control and 14<sup>th</sup> Egyptian Society of Infection Control Conference. Cairo, Egypt. November 2005.
247. CJD and Beyond. Tenth Conference on Infectious Diseases 2005. APIC, AORN and Kimberly-Clark. Roswell, GA. December 2005.
248. Environmental Control to Reduce Hospital GI Illness and Disinfection and Sterilization: Current Research. Society of Healthcare Epidemiology of American, Chicago, Illinois. March 2006.
249. Clean vs Mean: Role of the Environment and Surface Disinfection: Should We Do It? Wisconsin APIC, May 2006.
250. An Overview of Disinfection and Sterilization and Surface Disinfection: New Processes and Products and How to Assess Risk of Disease Transmission When There Is a Failure to Follow Recommended Disinfection and Sterilization Principles. APIC 2006 Preconference on Disinfection, Sterilization and Antisepsis. Tampa, Fl. June 2006.
251. Disinfection and Sterilization in Healthcare Facilities. APIC 33<sup>rd</sup> Annual Education Conference and International Meeting. Tampa, Fl. June 2006.
252. Instrument Disinfection and Sterilization in Hospitals Today and Reprocessing of Medical Devices Labeled for “ Single Reuse”. International Federation of Infection Control. Cape Town, South Africa. July 2006.
253. Disinfectants Resistance and Prevention of Surgical Infections and New CDC Guidelines on Disinfection and Sterilization. VI Pan-American Congress and X Brazilian Congress of Infection Control and Hospital Epidemiology. Porto Alegre, Brazil. September 2006.
254. Environmental Contamination Makes An Important Contribution to Hospital Infection and Emerging Issues in Disinfection. Sixth International Conference of the Hospital Infection Society. Amsterdam, Netherlands. October 2006.
255. Infection Control Basics for Sanitarians. NC Environmental Health State of Practice; Institutional Sanitation. Gastonia, NC. November 2006.
256. Disinfection and Sterilization Guideline. 11<sup>th</sup> Conference on Infectious Diseases, 2006. Roswell, GA. December 2006.
257. Sterilization and Disinfection: Present and Future (Keynote Address) and “Selection and Use of Disinfectants” and “Disinfection and Sterilization Issues”. Fifth Conference on Disinfection, Antisepsis and Sterilization. Antalya, Turkey. April 2007.
258. Emerging Issues in Disinfection and Sterilization and Disinfection and Sterilization and Prions. The Society for Healthcare Epidemiology of America. Baltimore, MD. April 2007.

259. Disinfection and Sterilization: What's New and Occupational Health Service Update. 31<sup>st</sup> Annual Iowa Infection Control Seminar. Iowa City, Iowa. May 2007.
260. What You Need to Know: Disinfection and Sterilization Guidelines and Risk Analysis of Disinfection and Sterilization Failures and Disinfection and Sterilization: What's New? APIC 34<sup>th</sup> Annual Education Conference and International Meeting. San Jose, 2007.
261. Reprocessing of Endoscopes: Issues and Solutions and New Developments in Disinfection and Sterilization. 3<sup>rd</sup> International Congress of the Asia Pacific Society of Infection Control. Kuala Lumpur, Malaysia. July 2007.
262. The Use of Disposable Wipes in Healthcare Facilities. INDA-Association of the Nonwoven Fabrics Industry, World of Wipes International Conference, Atlanta, GA. July 2007.
263. Disinfection and Sterilization: What You Need to Know. 32<sup>nd</sup> Annual Florida Professionals in Infection Control Conference. Orlando, Florida. August 2007.
264. Epidemiology and Prevention of Surgical Site Infections. AORN-South Carolina. Charleston, SC. September 2007.
265. Epidemiology and Prevention of Surgical Site Infections. AORN-North Carolina. Concord, NC. September 2007.
266. Prevention of *Clostridium difficile* Transmission in Healthcare Facilities and Review of New CDC/HICPAC Guideline on Disinfection and Sterilization. Infectious Disease Society of American 45<sup>th</sup> Annual Meeting. San Diego, CA. October 2007.
267. Emerging Issues in Disinfection and Sterilization and Environmental Infection Control. International Federation of Infection Control. Budapest, Hungary. October 2007.
268. What's New in Disinfection and Sterilization and The Role of the Environment in Infection Prevention. Epidemiologists and Professionals in Infection Control 26<sup>th</sup> Annual Educational Conference. Oklahoma City, OK. November 2007.
269. Disinfection and Sterilization: Meeting the Requirements. APIC-LA. Los Angeles, CA. January 2008
270. Disinfection, Sterilization and Antisepsis. Tennessee Valley APIC. Huntsville, AL, February 2008
271. An Overview of Disinfection and Sterilization in Healthcare Facilities and Outbreaks Associated with Contaminated Antiseptics and Disinfectants and Sterilization Practices in Healthcare Facilities and Prevention of Infections Due to Endoscopy and Emerging Issues in Disinfection and Sterilization and Risk and Infection Prevention in Dentistry. National Conference on Disinfection and Sterilization in Bangkok, Thailand, March 2008.
272. CDC Guidelines: What's New in Disinfection and Sterilization. Association of periOperative Registered Nurses. Anaheim, CA. April 2008.
273. Current Issues in Disinfection and Sterilization and Disinfection and Sterilization. Society of Healthcare Epidemiology of America. Orlando, Florida. April 2008
274. Sterilization and Flash Sterilization: Meeting the Requirements. Perioperative Care Symposium, Joint Commission Resources. Chicago, Illinois, April 2008.
275. Disinfection and Sterilization: Meeting the Requirements. North Carolina Association of Hospital Central Service Professionals. Myrtle Beach, SC. May 2008.

276. Selection and use of hospital disinfectants and Evidence-based practices for the prevention of SSIs. Nicosia, Cyprus. May 2008.
277. Disinfection and Sterilization: Current Issues and New Technologies and Current Challenges in Disinfection, Sterilization and Antisepsis. 35<sup>th</sup> Annual Education Conference and International Meeting. Denver, CO. June 2008.
278. *Clostridium difficile*: A Growing Threat in Your Facility. American Society for Healthcare Environmental Services Annual Conference. San Antonio, TX. September 2008.
279. Disinfection and Sterilization: Meeting the CDC Guideline. APIC Minnesota. Minneapolis, MN. September 2008.
280. Prions and Processing of Reusable Medical Devices: US Perspective. Japanese Association of Operative Medicine. Tokyo, Japan. September 2008.
281. Cleaning, Disinfection and Sterilization: Meeting the CDC Guidelines and *Clostridium difficile* and Norovirus: Transmission and Prevention and The Future of Infection Control: Predictions, Warnings, Challenges. Hawaii APIC, Honolulu, Hawaii. October 2008.
282. Emerging Issues in Disinfection and Sterilization and Disinfection and Sterilization: Challenges in the XXI Century and Environment as a Source of Nosocomial Infections. IX International Federation of Infection Control, VII PanAmerican Congress, XIV Chilean Congress of Nosocomial Infections. Santiago, Chile. October 2008.
283. Cleaning, Disinfection and Sterilization: Meeting the CDC Guidelines and The Role of the Environment in Disease Transmission. Smoky Mountain APIC. Pigeon Forge, TN. November 2008.
284. *Clostridium difficile*: Role of the Environment and Reviewing the Data-Bleach. APIC National. Orlando, FL. November 2008.
285. The Role of the Environment in the Prevention of Infections. Infectious Disease Society of New Jersey and APIC-NJ and APIC-SNJ. Monroe Township, NJ. November 2008.
286. Ensuring Safe Medical Devices and Disinfection and Sterilization. Society of Healthcare Epidemiology of America. San Diego, CA. March 2009
287. Disinfection and Sterilization: Meeting the CDC Guidelines and Prevention of Infection Associated with Endoscopy and Prevention of Surgical Site Infections and Challenges for Infection Prevention in the 21<sup>st</sup> Century. Texas Society of Infection Control Professionals, Austin, TX, March 2009
288. Disinfection and Sterilization: Meeting the CDC Guidelines and The Future of Infection Control: Predictions, Warnings and Challenges. APIC Indiana. Indianapolis, IN, April 2009
289. Disinfection and Sterilization: Successes and Failures and As Overview of Disinfection and Sterilization in Healthcare and New Developments in Reprocessing Critical and Semicritical Items: Endoscopes, Endocavitary Probes, Prostate Biopsy Probes, Tonometers, Laryngoscopes and Disinfection and Sterilization: Special Emphasis on Pediatric Issues. 36<sup>th</sup> APIC Annual Educational Conference. Fort Lauderdale, FL. June 2009.
290. Disinfection and Sterilization: Current Issues and New Technologies and CJD and Prions: Processing of Reusable Medical Products and Emerging Trends in Hospital-Associated

- Infections and Advances in Infection Control in Endoscopy. 4<sup>th</sup> Asian Pacific Society of Infection Control, Macau, China. July 2009
291. Disinfection and Sterilization: Guidelines Update. APIC North Carolina. Wilmington, NC October 2009.
292. Disinfection and Sterilization: Navigating a Maze of Different Applications and Requirements. 10<sup>th</sup> Congress of the International Federation of Infection Control. Vilnius, Lithuania, October 2009.
293. Incidences and Consequences of SSI and CABSIs. Georgia Infection Prevention Network, Pine Mountain, GA. October 2009
294. *Clostridium difficile*: What Antiseptics and Disinfectants Should We Use? 47<sup>th</sup> Annual Infectious Disease Society of America. Philadelphia, PA. October 2009
295. The Role of the Environment in Healthcare Associated Infections and New Developments in Reprocessing Critical and Semicritical Items and Prion Diseases: Current and Future Challenges. 4<sup>th</sup> Annual Meeting of Gulf Cooperation Council (GCC)-Centre for Infection Control. Doha, Qatar. November 2009
- Environmental Strategies to Reduce Infections and Disinfection and Sterilization. 4<sup>th</sup> SHEA/CDC Course. Doha, Qatar. November 2009
296. Current Issues and Controversies in Disinfection and Sterilization and Novel Approaches to Room Decontamination. Fifth Decennial International Conference on Healthcare-Associated Infections. Atlanta, GA March 2010.
297. Guidelines: How to Modify Risk Factors for Healthcare-Associated Infections. Florida APIC, Jacksonville, FL. March 2010.
298. New Developments in Reprocessing Critical and Semicritical Items and Challenges for Infection Prevention in the 21<sup>st</sup> Century: Predictions, Warnings and Challenges. Panamerican Congress on Sterilization. San Jose, Costa Rica, April 2010
299. Future of Infection Control in the 21<sup>st</sup> Century: Predictions, Warnings and Challenges and The Role of the Environment in Disease Transmission. Wisconsin APIC 2010 Seminar. Pewaukee, Wisconsin, April 2010.
300. Novel Approaches to Infection Control. 37<sup>th</sup> Annual Educational Conference and International APIC Meeting, New Orleans, LA. July 2010.
301. How to Assess Risk of Disease Transmission When There Is a Failure to Follow Recommended Disinfection and Sterilization Principles. Infection Prevention Leadership Summit, St. Paul, MN. September 2010.
302. What's New in Disinfection and Sterilization. APIC-NC, Blowing Rock, NC. September 2010.
303. How to Assess Risk of Disease Transmission When There Is a Failure to Follow Recommended Disinfection and Sterilization Principles and Disinfection and Sterilization: Current Issues and New Technologies. APIC Chicago. October 2010.
304. Future of Infection Control in the 21<sup>st</sup> Century: Predictions, Warnings and Challenges? (Keynote Address) and Terminal Sterilization: Gold Standard for Critical Surgical Instruments. 7<sup>th</sup> International Conference of the Hospital Infection Society. Liverpool, England. October 2010.

305. Role of the Environment in Disease Transmission and Current Issues and New Technologies. APIC Virginia. Roanoke, VA. October 2010.
306. The Role of the Environment in Disease Transmission and Disinfection and Sterilization: Meeting the CDC Guidelines. FOCUS 2010 Wisconsin Department of Health Services. Wisconsin Dells, WI. November 2010.
307. Novel Technologies for Infection Prevention and How to Assess and Improve the Effectiveness of Surface Cleaning and Disinfection. Consumer Specialty Products Association. Ft. Lauderdale, FL. December 2010.
308. Future of Infection Control in the 21<sup>st</sup> Century and Disinfection and Sterilization: Current Issues and New Technologies. Japanese Society of Environmental Infections. Yokohama, Japan. February 2011.
309. Outbreaks of Infection Associated with Disinfectants and Antiseptics and Prevention of Infection Associated with Endoscopy and Disinfection and Sterilization: Meeting the CDC Guidelines, Sterilization Processes and Practices and Disinfection and Sterilization: Meeting the CDC Guidelines, Disinfection Products and Practices. National University of Mexico Symposium on Disinfection and Sterilization, Mexico City, Mexico. March 2011
310. Current Issues in Disinfection and Sterilization and How to Assess the Risk of Disease Transmission When There is a Failure of Disinfection/Sterilization and Meet the Consultant: Disinfection and Sterilization. 21<sup>st</sup> Annual Scientific Meeting of The Society of Healthcare Epidemiology of America. Dallas, Texas. April 2011.
311. Role of hospital surfaces in transmission of emerging healthcare-associated pathogens: Norovirus, *Clostridium difficile* and *Acinetobacter*. Bode Hygiene Days, Strasbourg, France. May 2011.
312. Disinfection and Sterilization: Current Issues and New Technologies and High Level Disinfection and Sterilization Failures. 38<sup>th</sup> Annual APIC Educational Conference and International Meeting. Baltimore, MD. June 2011
313. Disinfection and Sterilization: Current Issues and New Technologies. APIC-NC. Raleigh, NC. September 2011.
314. Clean Spaces, Healthy Patients. Leaders in Infection Prevention and Environmental Services Working Together for Better Patient Outcomes (panel). Association for the Healthcare Environment. Kissimmee, FL. September 2011.
315. Guidelines: How to Modify Risk Factors for Healthcare-Associated Infections (Keynote Address) and Prion Diseases: Current and Future Challenges. Eleventh Congress of the Federation of Infection Control. Venice, Italy. October 2011.
316. Role of Hospital Surfaces in the Transmission of Emerging Healthcare-Associated Pathogens: Norovirus, *Clostridium difficile* and *Acinetobacter* (Keynote Address) and The Future of Infection Control: Predictions, Warnings and Challenges. The 5<sup>th</sup> International Congress of the Asia Pacific Society of Infection Control. Melbourne, Australia. November 2011.
317. Update on Disinfection and Sterilization and Update on Environmental Cleaning. Infection Control Association of Singapore. Singapore, November 2011.
318. Decontamination and Sterilization. Central Sterilising Club Annual Scientific Meeting. Edinburgh, Scotland. April 2012

319. The Challenges of Infection Prevention in the 21<sup>st</sup> Century and Disinfection and Sterilization: Meeting the CDC Guidelines. Infection Prevention Congress. Santiago, Chile. May 2012.
320. The Future of Infection Control: Predictions, Warnings and Challenges and Disinfection and Sterilization: Meeting the CDC Guidelines and Surgical Site Infection Prevention and Disinfection and Sterilization: Current Issues and New Technologies. International Infection Prevention Congress. Buzios, Brazil, May 2012.
321. Elaine Larson Lectureship: Disinfection and Sterilization: From Benchtop to Bedside and Disinfections Used for Room Disinfection and New Room Decontamination Technology and New Developments in Reprocessing Semicritical Items. 39<sup>th</sup> Annual APIC Educational Conference and International Meeting. San Antonio, Texas. June 2012.
322. Disinfectants Resistance: Is There a Relationship Between Use and Resistance. Society for Applied Microbiology. Edinburgh, Scotland. July 2012.
323. Role of Hospital Surfaces in the Spread of Healthcare-Associated Pathogens and Best Practices for Surface Disinfection and New Room Decontamination Methods. Northeast Ohio APIC. September 2012.
324. Environmental Surface Disinfection: Pushing the Envelope (Keynote Address). Association for the Healthcare Environment. Phoenix, AZ September 2012.
325. Safer Healthcare Environment for Infection Prevention (Keynote Address). 2012 APIC North Carolina Educational Conference, Greensboro, NC. September 2012.
326. Disinfection and Sterilization: Current Issues and How to Assess Risk to Patients When There Is a Disinfection and Sterilization Failure. Role of Surfaces in Transmission of Healthcare-Associated Pathogens and "Best" Practices for Surface Disinfection (Keynote Address). APIC Long Island, NY September 2012.
327. Environmental Disinfection: What Works Best? Mechanical Systems and Incidences and Consequences of Surgical Site Infections and Central-Line Associated Bloodstream Infections. Twelfth Congress of the International Federation of Infection Control. Zagreb, Croatia. October 2012.
328. Future of Infection Control in the 21<sup>st</sup> Century: Predictions, Warnings, and Challenges and Prion Diseases: Current and Future Challenges and Disinfection and Sterilization: Current Issues and New Technology and Role of Hospital Surfaces in Transmission of Emerging Healthcare-Associated Pathogens and How to Assess the Risk of Disease Transmission When There is a Failure of Disinfection/Sterilization. APIC DFW, Dallas, TX. October 2012.
328. Safer Healthcare Environments for Infection Prevention (SHEA Lectureship) and Reprocessing Critical and Semicritical Items: What's New and *C. difficile* and the Environment: Disinfection Practices and Mitigating Risk to Patients. ID Week. San Diego, CA. October 2012.
329. How to Assess Risk to Patients When There Is a Disinfection and Sterilization Failure and Prevention of Surgical Site Infections. APIC Smokey Mountains. Pigeon Forge, TN. November 2012.
330. New Technologies for Environmental Decontamination: Should We Be Using Them and Current Issues and New Technologies for Reprocessing Endoscopes. Healthcare Infection Society. Liverpool, UK. November 2012.
331. The Role of the Environment in Disease Transmission: 21<sup>st</sup> Century Room Decontamination Technologies. Antarctica Expedition (Corinthian II). January 2013.



332. Environmental Strategies to Reduce Infections and Recommendations for Sterilization of Prion-Contaminated Surgical Instruments. Central Florida APIC. Orlando, FL. March 2013.
333. Disinfectants, Detergents and Microfiber: Current and Future Issues. SHEA Spring 2013. Atlanta, GA. May 2013.
334. New Technology in Environmental Cleaning and Evaluation. APIC 40<sup>th</sup> Annual Conference. Ft. Lauderdale, FL. June 2013.
335. Disinfection and Sterilization: Current Issues and New Technology and Future of Infection Control in the 21<sup>st</sup> Century: Predictions, Warnings, and Challenges. Illinois Hospital Quality Initiative, Chicago, IL September 2013.
336. Disinfection and Sterilization: Meeting the CDC Guidelines and Environmental Strategies to Reduce Infections. APIC Pine Tree. Portland, Maine. September 2013.
337. Every Object a Different Disinfectant-The Enemy of Standardization. IDWeek. San Francisco, CA. October 2013
338. Unknown or Hidden Reservoir of Infection and Prevention Strategy. Symposium of the Rudolph Schulke Foundation. Hamburg, Germany. November 2013.
339. What's New: Incidence and Consequences of Surgical Site Infections and What's New: Safer Healthcare Environment for Infection Prevention. Fourteenth Congress of the International Federation of Infection Control. March 2014. Malta
340. How to Assess Risk to Patients When There is a Disinfection and Sterilization Failure. National Institute of Public Health of Quebec. March 2014. Montreal, Quebec, Canada
341. Impact of Medical Devices Processing in HAI Prevention and Low-Temperature Sterilization: Characteristics, Benefits, Monitoring and Guarantee of the Steam Sterilization Process: Practice Based on CDC Evidence. 3<sup>rd</sup> International Congress on Infection Prevention. April 2014. Guarujá, Brazil.
342. Challenges for Infection Prevention in the 21<sup>st</sup> Century and "Best" Practices for Disinfection of Non-Critical Surfaces and Equipment. April 2014, Phoenix, AZ
343. Disinfection and Sterilization: Current Issues and New Technologies and Role of the Environment in Disease Transmission: 21<sup>st</sup> Century Room Decontamination Technology. May 2014, Pewaukee, Wisconsin.
344. Endoscope Reprocessing: What's New and Perspectives in Infection Prevention in the GI Unit. Society of Gastroenterology Nurses and Associates 41<sup>st</sup> Annual Course, May 2014.
345. Update on Disinfection and Sterilization and Challenges for Infection Prevention in the 21<sup>st</sup> Century. May 2014, Cedar Rapids, Iowa.
346. Disinfection and Sterilization: What's New? APIC 41<sup>st</sup> Annual Conference. June 2014. Anaheim, CA
347. Disinfection and Sterilization: Current Issues and New Technologies and Disinfection and Sterilization: Special Emphasis on Pediatric Issues. Children's Hospital Association. September 2014. Scottsdale, AZ

350. Disinfection and Sterilization: Current Issues and New Technologies. APIC North Carolina. September 2014, Concord, NC.
351. Safer Healthcare Environment for Infection Control and Role of the Environment in Disease Transmission: 21<sup>st</sup> Century Room Decontamination Technologies. Florida Professionals in Infection Control. September 2014. Orlando, FL.
352. Selection of an Ideal Disinfectant. Association for the Healthcare Environment. September 2014. Tampa, FL.
353. Disinfection and Sterilization: Current Issues and New Technologies and Role of the Environment in Disease Transmission: 21<sup>st</sup> Century Room Decontamination Technology. APIC Virginia, Richmond, VA. October 2014.
354. Future of Infection Control in the 21<sup>st</sup> Century and Infection Control during Construction/Renovation and Water Damage. Intermountain APIC. Boise, Idaho. October 2014.
355. Soft Surface Disinfection and Ultraviolet C Room Decontamination. California APIC Coordinating Council. San Francisco, CA, November 2014
356. Disinfection and Sterilization: Current Issues and New Technologies. Visiting Professor. Duke University School of Medicine. November 2014
357. Disinfection and Sterilization: Monitoring and Validation and Current Issues and New Technologies for Reprocessing Flexible Endoscopes and Epidemiology and Prevention of *Clostridium difficile* infection. 4<sup>th</sup> International Congress of Infection Control Association (Singapore). Singapore, January 2015.
358. Basic Infection Control Processes and Their Inter-Relationship with the Environment and Disinfection and Sterilization: Meeting the CDC Guidelines; and Clean and Disinfect in the Healthcare Environment: One Size Does Not Fit All; and Selection of the Ideal Disinfectant. International Symposium on Healthcare Associated Infections: Antimicrobial Stewardship and a Multidisciplinary Approach. Bogota, Columbia. February 2015.
359. Disinfection and Sterilization: Meeting the CDC Guidelines and Using Technology for Biomedical Waste Management and New Techniques for Terminal Decontamination of Rooms. 15<sup>th</sup> Congress of the International Federation of Infection Control and XIII National Conference of the Hospital Infection Society-India. March 2015, Delhi, India.
360. Recent Outbreaks of CRE Transmission via Endoscopes: What Can We Do To Prevent Infections? and Disinfection and Sterilization: Current Issues and New Technologies. APIC New England. April 2015. Springfield, MA
361. High-Level Disinfection and Sterilization: Current Issues and New Technologies. IAHCSSM (International Association of Healthcare Central Service Materiel Management. Fort Lauderdale, FL. May 2015.
362. ERCP Scopes: What Can We Do To Prevent Infections? Gastroenterology and Urology Devices Panel of the Medical Devices Advisory Committee. Silver Spring, MD May 2015.
363. Selection of the Ideal Disinfectant and Incidence and Consequences of Surgical Site Infections. 1<sup>st</sup> Ibero-Americano and 8<sup>th</sup> National Sterilization Congress. Barranquilla, Columbia. June 2015.
364. Disinfection, Sterilization and Antisepsis in Health Care: An Overview and Recent Outbreaks of CRE Transmission via Endoscopes: A Need to Shift from Disinfection to Sterilization and New

Developments in Reprocessing Semicritical Items: Endocavitary Probes, Prostate Biopsy Probes, Channeled Endoscopes, and Laryngoscopes and Monitoring and Improving the Effectiveness of Surface Cleaning/Disinfection and What's New in Disinfection and Sterilization. 42<sup>nd</sup> Annual Conference of the Association for Professionals in Infection Prevention and Epidemiology, Nashville, Tennessee. June 2015

365. Disinfection and Sterilization: Current Issues and New Technologies. 7<sup>th</sup> Annual Fleming Infection Prevention and Infectious Diseases Symposium. Lehigh Valley Health Network, Allentown, PA September 2015.
366. Future of Infection Control in the 21<sup>st</sup> Century: Predictions, Warnings, and Challenges and Epidemiology and Prevention of *C. difficile* Infection. San Diego APIC. San Diego, CA. October 2015.
367. Disinfection and Sterilization: Current Issues and New Technologies and Clean and Disinfect the Healthcare Environment: One Size Does Not Fit All. APIC Rochester Finger Lakes, Rochester, NY. November 2015.
368. Disinfection and Sterilization: What's New? APIC Northern New Jersey and APIC Southern New Jersey. Monroe Township, NJ. November 2015.

#### **Webcast**

1. Disinfecting Patient Care Equipment. Webber Training, Inc. May 2003
2. CJD: Recommendations for Disinfection and Sterilization. Webber Training, Inc. April 2005.
3. How to Assess Risk of Disease Transmission When There is a Failure to Follow Recommended Disinfection and Sterilization Principles. Webber Training, Inc. August 2006.
4. Disinfection and Sterilization Guidelines: What You Need to Know. Webber Training, Inc. July 2007.
5. Disinfection and Sterilization: Current Issues and New Technologies. Webber Training, Inc. August 2008.
6. Sterilization (and Flash Sterilization): Meeting the Requirements. Joint Commission Resources. March 2009
7. Disinfection and Sterilization: Special Emphasis on Pediatric Issues. Child Health Corporation of America. August 2009
8. Disinfection and Sterilization: Meeting the CDC Recommendations. APIC-Webinar. September 2009
9. Environmental Sanitation: New Technologies and Approaches to Room Decontamination. Association for the Healthcare Environment (AHE). July 2011
10. Best Practices for Cleaning, Disinfection and Sterilization in Healthcare Facilities. World Health Organization Patient Safety Challenge and Webber Training, December 2011.
11. Role of Hospital Surfaces in the Spread of Healthcare-Associated Pathogens: *Acinetobacter*, Norovirus, *C. difficile*. APIC Webinar. Sponsored by APIC and AHE. February 2012.
12. "Best" Practices in Surface Disinfection. Sponsored by APIC and AHE. April 2012

13. Disinfectants Used in Surface Disinfection and New Room Decontamination Technology. Sponsored by NIOSH. July 2012.
14. Role of Environmental Services in Prevention of Healthcare-Associated Infections: What the CEO Needs to Know. APIC Webinar. Sponsored by APIC and AHE. August 2012.
15. 21<sup>st</sup> Century Room Decontamination: Technology Solutions. Sponsored by AHE. December 2013.
16. Does Improving Surface Cleaning and Disinfection Reduce Healthcare-Associated Infections? AD Russell Memorial Teleclass. A Webber Training Teleclass. April 2013.
17. Efficacy, Selection and Use of Disinfectants and Detergents in Environmental Cleaning/Disinfection. Sponsored by AHE of American Hospital Association. April 2014.
18. Role of the Environment in Disease Transmission: Soft Surface Disinfection, UV. National Infection Prevention Steering Committee, Kaiser Permanente, May 2014
19. Disinfection and Sterilization: Current Issues and New Technologies. Pennsylvania Hospital Engagement Network. May 2014
20. What's New in Hospital Disinfectant Products. 3M Seminar Series. June 2014
21. "Best" Practices for Disinfection of Noncritical Surfaces and Equipment. NC Quality Center. October 2014.
22. Best Practices in Disinfection and Sterilization. APIC Webinar, November 2014.
23. Disinfecting Strategies for Environmental Surfaces in Healthcare: Importance of Product and Processes. Informa. May 2015.
24. Gastrointestinal Endoscopes: A Need to Shift from Disinfection to Sterilization. A Webber Training Teleclass. July 2015.

#### **Honors and Awards:**

1972	Phi Sigma
1975	Army Commendation Medal, US Army
1977	Sigma Xi
1982	John J. Perkins Memorial Scholarship, APIC
1985	Army Achievement Medal, US Army
1987	Army Achievement Medal, US Army (first oak leaf cluster)
1991	Army Commendation Medal, US Army (first oak leaf cluster)
1992-93	Management Excellence Award, UNC Hospitals
1994	Meritorious Service Medal, US Army
1999	Carole M. DeMille Achievement Award (highest APIC award for contribution to infection control research, education and service)

2000	American Society for Microbiology Division L (Nosocomial Infections) Lecture
2001	William A. Rutala Research Award (\$1,000 award given annually and in perpetuity by the Association for Professionals in Infection Control and Epidemiology in my name to encourage and recognize research excellence in disinfection/sterilization/antiseptics)
2001	Kelsey Lecture (Central Sterilizing Club, United Kingdom)
2002	Lowbury Lecture (given by the Hospital Infections Society annually to honor Edward Joseph Lister Lowbury, Edinburgh, Scotland)
2004	Honorary Medal of the German Society for Hospital Hygiene (Berlin, Germany)
2007	Healthcare Purchasing News, September 2007 (listed among 30 most influential thought leaders in sterile processing in past 30 years)
2008	Honorary Membership to the German Society of Hospital Hygiene (for excellent work in hospital hygiene)
2008	Dr. James J. Crawford Award (award given by the Organization for Safety, Asepsis and Prevention or OSAP for lifetime achievement in dental infection control)
2009	Martin S. Favero Lectureship Award (award given for lifetime achievement in disinfection, sterilization and antiseptics)
2010	Fellow, Society of Healthcare Epidemiology of America (honors those who achieved professional excellence in healthcare epidemiology and infection prevention)
2012	Harriet Hylton Barr Distinguished Alumni Award (awarded by the UNC School of Public Health for outstanding service beyond requirements of employment, impact in the awardee's practice arena, service to public health through achievements in leadership, innovation, experimentation and collaboration with the profession)
2012	Kelsey Lecture (Central Sterilizing Club, United Kingdom)
2012	APIC/AJIC Award for Excellence in a Scientific Research Publication (presented to DJ Weber, WA Rutala, MB Miller, K Huslage, EE Sickbert-Bennett in recognition of prominent readership and impact-Role of Hospital Surfaces in the Transmission of Emerging Healthcare-Associated Pathogens: Norovirus, <i>C. difficile</i> , and <i>Acinetobacter</i> species)
2012	Elaine Larson Lectureship, APIC (the award honors the individual best able to present a lecture on the state of the science of infection prevention or healthcare epidemiology in the area for which he or she has been a major contributor over a lifetime of pursuit)
2012	SHEA Lectureship (awardees are recognized for leadership through notable contributions to the science of healthcare epidemiology, demonstration of ongoing dedication to advancing the field, demonstration of mentorship and dedication to SHEA and its mission to prevent healthcare-associated infections and advance the science of healthcare epidemiology)
2013	AD Russell Memorial Teleclass Lecture
2013	Hygiene Medal from the Rudolf Schülke Foundation in Germany (awarded "to extraordinary people who have dedicated their life's work to hygiene and microbiology"; first American recipient).
2015	William A. Rutala Scholarship- award given annually by the Society of Healthcare Epidemiologist of America (SHEA) in my name to a young professionals (e.g., PhD, PharmD candidates) who focus on healthcare epidemiology, infection prevention and antimicrobial stewardship.

