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Nota di contenuto	Intro -- Title -- Copyright -- Acknowledgements -- Table of Contents -- Introduction -- COVID-19 Pandemic and Federal Guidelines -- Building a Culture of Safety Requires Teamwork and Leadership -- Overview of Content -- Chapter 1: Fundatmentals of Infection Prevention and Control -- Chapter 2: Disinfection and Sterilization -- Chapter 3: Dental Water Quality -- Chapter 4: Infection Prevention and Control during Clinical Procedures -- Chapter 5: Special Considerations and Pandemic Preparedness -- Objectives -- How to Use This Book -- Who Should Use It -- How to Begin -- To Use This Guide -- Continuing Education Credit -- Infection Prevention and Control Self-Assessment Checklist -- Chapter 1: Fundamentals of Infection Prevention and Control -- Learning Objectives -- The Infectious Disease Process: The Chain of Infection -- Causative Agent (Pathogen) -- Modes of Transmission -- Susceptible Host -- Occupational Exposure to Bloodborne Pathogens -- Preventing Occupational Exposures to Bloodborne Pathogens -- Preventing Transmission of Respiratory Pathogens -- Transmission-based Precautions -- Transmission of COVID-19 -- Respiratory Hygiene and Cough Etiquette -- Precautions and Considerations during Public Health Emergencies -- Source Control and Screening Measures for Respiratory Symptoms -- COVID-19 Testing and Lab Testing in Dental Facilities -- Droplet and Airborne Precautions during Public Health Emergencies -- Occupational Health

and Safety Education: Making It All Work for the Dental Team -- The Role of the Infection Prevention and Control Coordinator -- Immunizations and Tuberculosis Testing -- Comprehensive Written Infection Prevention, Occupational Health, and Patient Safety Plan -- Patient Medical History and Standard Precautions -- Employee Health -- Needle and Sharps Safety.

Employee Medical Conditions, Work-related Illnesses, and Work Restrictions -- Hand Hygiene and Care -- Routine Handwashing and Antisepsis -- Fingernails and Artificial Nails -- Personal Protective Equipment (PPE) -- Respiratory Protection: Masks and Fit-tested Particulate Respirators -- Protective Eyewear and Face Shields -- Protective Clothing -- Gloves -- Handwashing and Glove Use for Oral Surgical Procedures -- Contact Dermatitis and Latex Allergy -- Precautions for Patients with Latex Allergy -- Goal-setting Worksheet -- Chapter 2: Disinfection and Sterilization -- Learning Objectives -- Cleaning, Decontamination, Disinfection, and Sterilization -- Disinfection Levels -- When to Clean, Disinfect, or Sterilize Patient Care Items -- Sterilization Methods -- Other Methods of Sterilization -- Sorting and Preparing Items for Sterilization -- Reprocessing Reusable Instruments and Devices -- Sterility Assurance -- Storage of Sterilized Items and Clean Dental Supplies -- Disinfection of Environmental Surfaces -- Clinical Contact Surfaces -- Housekeeping Surfaces -- Dental Laboratory Infection Prevention and Control -- Fogging and UV Disinfection -- Blood Spills and Disinfection -- Nonregulated and Regulated Medical Waste -- Handling of Biopsy Specimens -- Discharging Blood or Other Body Fluids into Sanitary Sewers or Septic Tanks -- Goal-setting Worksheet -- Chapter 3: Dental Water Quality -- Learning Objectives -- Growth of Bacteria in Dental Waterlines -- Managing Dental Unit Water Quality -- Sterile Irrigating Solutions for Oral Surgery -- Other Indications for the Use of Sterile Irrigating Solutions -- Monitoring Dental Water Quality -- Municipal Water Systems, Facility Plumbing, and Drinking Water Advisories -- Goal-setting Worksheet -- Chapter 4: Infection Prevention and Control During Clinical Procedures -- Learning Objectives.

Infection Prevention and Control during the Pretreatment Period -- Personal Protective Equipment -- PPE Wear under Standard Precautions -- Chairside Infection Prevention and Control -- Infection Prevention and Control during the Post-treatment Period -- Infection Prevention for Imaging, Scanning, and Sensing Procedures -- Extraoral Radiographic Equipment -- Procedures for Handling Film and Phosphor Plates -- Digital Radiographic, Photographic, Scanning, and Sensor Technologies -- Keyboards and Other Data Entry Equipment -- Summary of Infection Prevention and Control during Patient Care: -- A Four-stage Process -- Stage 1: Pretreatment -- Stage 2: Chairside -- Stage 3: Post-treatment -- Stage 4: Radiographic, Photographic, Scanning, and Sensor Procedures -- Goal-setting Worksheet -- Chapter 5: Special Considerations and Pandemic Preparedness -- Learning Objectives -- Dental Handpieces and Other Devices Attached to Air and Waterlines -- Dental Handpieces and Other Devices Not Connected to Air or Waterlines -- Saliva Ejectors -- Aseptic Technique for Parenteral Medications -- Single-use or Disposable Devices -- Preprocedural Mouthrinses -- Handling of Extracted Teeth -- Storage and Disposal -- Teeth Used in Educational Settings -- Laser/Electrosurgery Plumes or Surgical Smoke -- Management of Patients with History of Symptoms of TB and other Highly Infectious Respiratory Diseases -- Managing Patients with TB and Preventing Transmission -- Management of Patients with Suspected CJD or Other Prion Diseases -- Pandemic and Emergency Preparedness -- Goal-setting Worksheet -- Chapter Review

Questions -- Chapter 1 Review Questions -- Chapter 2 Review Questions -- Chapter 3 Review Questions -- Chapter 4 Review Questions -- Chapter 5 Review Questions -- Appendices -- A. Glossary -- B. List of Acronyms -- References.

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## Sommario/riassunto

This book outlines the importance of implementing comprehensive infection prevention and control practices in dental offices or other treatment settings. This revised edition features new chapters on Dental Water Quality and Special Considerations and Pandemic Preparedness and synthesizes the most current science-based recommendations for infection prevention and control in dental settings from the CDC and Federal agency rules and regulations, including OSHA, the FDA, and the EPA. Organized into five chapters: Chapter 1: Fundamentals of Infection Prevention and Control Chapter 2: Disinfection and Sterilization Chapter 3: Dental Water Quality Chapter 4: Infection Control During Clinical Procedures Chapter 5: Special Considerations and Pandemic Preparedness. Includes a self-assessment checklist of current infection control practices and review questions to reinforce important concepts. An accompanying CE quiz worth three credits is available at [ADACEonline.org](http://ADACEonline.org).

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