Dental Assisting National Board, Inc.

Measuring Dental Assisting Excellence®

Exam Blueprint and Suggested References for Exam Preparation

for

Infection Control (ICE)

A component of the DANB Certified Dental Assistant (CDA) and Certified Orthodontic Assistant (COA) exams

Effective 01/01/2014

Note that each state's dental board implements regulations and establishes rules for delegating legally allowable duties to dental assistants. Passing one or more of the CDA or COA component exams or earning CDA or COA certification only conveys authority to perform these duties in those states that recognize these exams or this certification as meeting state dental assisting requirements. This information is at www.danb.org/Meet-State-Requirements.aspx.

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Infection Control (ICE) Exam Blueprint

(Covering Infection Control, Occupational Health and Safety Protocols and 2003 CDC Guidelines)

(10%) I. PATIENT AND DENTAL HEALTHCARE WORKER EDUCATION

A. Demonstrate understanding of infectious diseases and their relationship to patient safety and occupational risk.
B. Demonstrate understanding of the procedures and services being delivered and their consequences to the patient, family, other patients, and oral healthcare personnel.
C. Demonstrate understanding of the need for immunization against infectious diseases (e.g., hepatitis B).

II. STANDARD/UNIVERSAL PRECAUTIONS AND THE PREVENTION OF DISEASE TRANSMISSION

(20%) A. Prevent cross-contamination and disease transmission.
1. Demonstrate understanding of proper hand hygiene as used during intraoral and oral surgery procedures.
2. Demonstrate the appropriate protocols for single-use disposable (SUD) items.
3. Describe how to protect the patient and operator through the use of barrier techniques, personal protective equipment (PPE), dental dam, and other safety items.

(10%) B. Maintain aseptic conditions.
1. Identify the modes of disease transmission.
2. Describe how to dispose of biohazardous and other waste generated in the dental office according to federal regulations.
3. Describe how to store sterile instruments.

(15%) C. Demonstrate an understanding of instrument processing.
1. Describe how to prepare dental instruments for sterilization.
2. Select the appropriate method for sterilization of dental instruments and supplies.
3. Select the appropriate system for sterilization monitoring.

(15%) D. Demonstrate an understanding of asepsis procedures.
1. Select proper methods of disinfection, including for the following, but not limited to:
   a. darkrooms.
   b. dental instruments.
   c. equipment.
   d. equipment areas.
   e. impressions.
   f. Instrument processing.
   g. laboratories.
   h. materials.
   i. supplies.
   j. treatment rooms.
2. Maintain dental unit water lines.
3. Prepare and use chemical agents according to manufacturer's instructions.

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(30%) III. OCCUPATIONAL SAFETY

A. Follow the standards and guidelines of occupational safety for dental office personnel, including but not limited to:
   1. follow regulations described in the OSHA Bloodborne Pathogens Standard.
   2. incorporate engineering and work practice controls.
   3. follow regulations described in the OSHA Hazard Communication Standard.
   4. demonstrate an understanding of appropriate first aid procedures, documentation and reporting of all incidents, such as cuts/punctures from instruments, needlesticks, or chemical exposures as described in the OSHA Bloodborne Pathogens and Hazard Communication Standards.

B. Incorporate all safety measures when using chemical and physical hazards, including but not limited to:
   1. mercury.
   2. nitrous oxide.
   3. caustic agents and other chemicals.
   4. airborne particles and contaminants.
   5. bonding materials.
   6. curing light.
   7. lasers.

C. Maintain and document a quality assurance (quality improvement) program for infection control and safety throughout the dental office.

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Suggested References for Exam Preparation

for

Infection Control (ICE)

A component of the DANB Certified Dental Assistant (CDA) Exam

Effective 01/01/2014

1. *Modern Dental Assisting*, 9th and 10th editions. Bird, D. and Robinson, D.
2. *Dental Assisting: A Comprehensive Approach*, 3rd and 4th editions. Phinney, D. and Halstead, J.
3. *Essentials of Dental Assisting*, 5th edition. Robinson, D. and Bird, D.
4. *Infection Control and Management of Hazardous Materials for the Dental Team*, 5th edition. Miller, C.
5. *Cottone's Practical Infection Control in Dentistry*, 3rd edition. Molinari, J. A. and Harte, J. A.
6. "Guidelines for Infection Control in Dental Health-Care Settings 2003." Vol. 52, RR 17. www.cdc.gov.
7. *CDC's Guidelines: From Policy to Practice by OSAP*. www.osap.org.
8. U.S. Department of Labor, Occupational Safety and Health Administration, www.osha.gov.
   - "Hazard Communication Guidelines for Compliance" (Publication 3111)
   - "Hazard Communication Standard (Code of Federal Regulations #29, Part 1910)
   - "Bloodborne Pathogens Standard" (1910.1030)
9. U.S. Public Health Service. Guidelines for Post Exposure Management.
   - www.osha.gov
   - www.cdc.gov/mmwr/preview/mmwrhtml/00052722.htm
   - www.cdc.gov/oralhealth/infectioncontrol
10. *Infection Control in the Dental Office: A Review for an Infection Control Exam Course #0906*. American Dental Assistants Association (ADAA). www.dentalassistant.org.
11. *Guidelines for Infection Control in Dental Health Care Settings*, *Course #0904*. American Dental Assistants Association.

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