



Dental Assisting National Board, Inc.

Measuring Dental Assisting Excellence™

Exam Blueprint

for

Infection Control (ICE)

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

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Infection Control (ICE) Exam Blueprint

- (10%) I. PATIENT AND DENTAL HEALTH CARE WORKER EDUCATION**
- A. Demonstrate an understanding of infectious diseases and their relationship to patient safety and occupational risk.
 - B. Demonstrate an understanding of the procedures and services being delivered and their consequences to the patient, family, other patients, and dental health care personnel.
 - C. Demonstrate an understanding of the need for immunization against infectious diseases, such as hepatitis B.
- II. STANDARD/UNIVERSAL PRECAUTIONS AND THE PREVENTION OF DISEASE TRANSMISSION**
- (20%) A.** Prevent cross-contamination and disease transmission
- 1. Perform proper hand hygiene.
 - 2. Use disposable items whenever possible.
 - 3. Protect the patient and operator through the use of barrier techniques, including masks, gloves, protective eyewear, clinic attire, dental dam, and other safety items.
- (10%) B.** Maintain aseptic conditions
- 1. Identify the modes of disease transmission.
 - 2. Properly dispose of biohazardous and other waste generated in the dental office according to federal regulations.
 - 3. Properly store all instruments.
- (15%) C.** Perform sterilization procedures
- 1. Prepare dental instruments and equipment for sterilization.
 - 2. Use the appropriate method for sterilization of dental instruments, equipment and supplies.
 - 3. Use the appropriate system for monitoring, sterilization of dental instruments, equipment and supplies.

- (15%) D. Environmental Asepsis
1. Prepare surfaces for disinfection.
 2. Use the proper method of disinfection for environmental surfaces including the treatment, laboratory, darkroom, instrument processing and equipment areas.
 3. Maintain dental water unit lines
 4. Prepare and use chemical agents according to manufacturer's instructions.
 5. Demonstrate proper use of environmental protective barriers.

(30%) III. **OCCUPATIONAL SAFETY**

- A. Follow the standards and guidelines of occupational safety for dental office personnel, including the following:
1. Follow regulations described in the OSHA Bloodborne Pathogens Standard.
 2. Follow regulations described in the OSHA Hazard Communication Standard.
 3. Perform appropriate first aid procedures, document and report 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, such as, 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.
 8. latex.
 9. excessive heat.
- C. Maintain and document a quality assurance (quality improvement) program for infection control and safety throughout the dental office.