What’s New In Infectious Disease

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Full Course: 18CEs AGD; Code 148/24CEs CBDE, Price: $540
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COURSE OBJECTIVE

WNID-01-01: Respiratory Diseases: Influenza, Tuberculosis and Other Respiratory Diseases
Pathogenesis of respiratory diseases (Droplet vs. airborne transmission; Elements of respiratory hygiene and cough etiquette; Causes of the common cold; The SARS epidemic); Influenza (Discussion of seasonal influenza; Annual impact of seasonal flu; Characteristics of influenza A; Evolution of new influenza strains); Pandemic influenza (Comparison of seasonal and pandemic flu; Influenza pandemics in the 1900’s; H1N1 pandemic of 2009; H5N1 “bird flu”; Measures to prevent and control influenza) and Pathogenesis of tuberculosis (Symptoms of TB; Latent active TB; Epidemiology of TB; Diagnosis of TB; Treatment of TB; Management of TB in the dental office).

WNID-01-02: Pre-Treatment Procedures, Surface Disinfection
Pre-treatment procedures (Description of clinical contact and housekeeping surfaces; Management of clinical contact and housekeeping surfaces; Appropriate use of barriers; Procedure specific infection control; Dental laboratory infection control) and Principles of cleaning and disinfection (Surface disinfection and choosing a disinfectant; Criteria for choosing a surface disinfectant; Description of tuberculocidal activity and resistance of organisms to disinfection; Technique for surface disinfection)

WNID-01-03: Cleaning and Sterilization and Managing Waste
Cleaning and Sterilization (Instrument reprocessing; Instrument cleaning; ultrasonic vs. hand scrubbing; Types of sterilization used in dentistry; Sterilization times of various sterilizers; Sterilization monitoring; and Sterile storage)

COURSE TOPICS cont’d on page 2
WNID-01-04: Immunizations, Antimicrobial Resistance and Healthcare-Associated Infections
Immunization and immunization programs (Types of vaccines; Resurgent vaccine-preventable diseases; Recommended vaccines for health care workers; MMR, influenza, and hepatitis B vaccines); Antimicrobial resistance (Causes of antimicrobial resistance; Emergence of new resistance pathways; Strategies to reduce antimicrobial resistance); and Healthcare-Associated Infections (HAIs) (Impact of HAIs; Importance of hand hygiene in reducing HAIs; Strategies to reduce HAIs; Emergence and control of MRSA)

WNID-01-05: Latex Sensitivity and Other Allergies
Hypersensitivity reactions (Allergy facts in the USA; Sensitizing dose; Challenge dose; Sources of dermatitis; Food and other allergy in the USA); Allergy to natural rubber latex (NRL) (Latex proteins derived for plant; Processing and curing of latex products; Chemical used in the manufacture, processing and curing of latex products) and Types of latex allergies (Type 1, immediate, allergy to NRL; Type IV, delayed, allergy to one or more of the chemicals found in latex products; Care of the latex sensitive patient; Who is at risk for developing latex sensitivity; Screening for latex sensitivity; Symptoms of anaphylactic shock; Dental office preparation for treating a latex sensitive patient)

WNID-01-06: Standard Precautions and Post-Exposure Management and Prophylaxis
Infection control timeline (CDC recommendations of 1986, 1993 and 2003; Review of patient-to-patient transmission of hepatitis B; Infectious disease control objectives; Routes of transmission of infectious diseases); Standard Precautions (Description of the principles of Standard Precautions; Importance of hand hygiene; Methods to perform hand hygiene; Discussion of rings, fingernails and jewelry; Personal protective equipment; Gloves and their use; Facemasks; Eye protection; Clinical attire); and Risks to Health Care Workers (Occupational exposure and exposure incidents; Prevention of exposure incidents; Steps in post-exposure management; Management of hepatitis B & C exposures; Management of HIV exposures; Post exposure evaluation and post-exposure prophylaxis)

WNID-01-07: HIV/AIDS and Hepatitis
HIV/AIDS Pathogenesis (HIV viral dynamics; Natural history of untreated HIV infection; HIV natural history of HIV/AIDS; Progression of HIV disease and development of opportunistic infection(s)); Routes of HIV transmission (Sexual; Injection drug use in Mother-to-child; Exposure to blood/blood products); Epidemiology and Management of HIV disease (Global distribution; Cases in the USA; Role of antiretroviral therapy (ART); Action and drugs used in ART; Side effects of ART) and Definition of hepatitis (Effects of hepatitis on the liver; Classification of hepatitis viruses; Hepatitis A virus; Hepatitis B virus; Hepatitis C virus; Hepatitis D virus; Hepatitis E virus; Treatment of hepatitis)

WNID-01-08: Handpiece Sterilization and Dental Unit Waterlines
Dental handpiece sterilization (Description of the history of dental handpiece sterilization and FDA, CDC and ADA recommendations); Management of bioaerosol in the dental office (Patient positioning; High speed (volume) evacuation; Use of the dental dam; Pre-procedural mouth rinsing); Biofilm (Definition and description of biofilm; Biofilm in human disease; Types of sterilization used in dentistry; Properties of DUWLs that favor biofilm formation; Health risks posed by biofilm; CDC recommendation regarding management of biofilm in dental water); and Products and procedures to reduce biofilm in DUWLs (Dental water must equal drinking water in quality;