Let’s Talk About Infection Control

This seminar will discuss the current infection control regulations and recommendations for dentistry. The most current CDC Guidelines for Infection Control in Dentistry, along with updated data regarding health care risks, and preventive measures, will serve as frameworks for this presentation.

Evidence-based information also will be discussed to address current issues where perceptions and misuse of infection control procedures and products are in conflict with scientific and clinical knowledge. A major goal of this presentation is to help dental professionals increase their understanding of the ‘why’ as well as the ‘what’ of infection control practices.

The Challenges of Waterborne Infections: A Microbiology Perspective

Infections caused by waterborne microorganisms are among the most harmful to global health. These include diseases caused by a variety of bacteria, protozoa, viruses, and other parasites. They are able to proliferate in a many natural water sources, as well as man-made systems designed to provide potable water for public and health care use. An initial overview of the principles and epidemiology associated with waterborne infections will be followed by discussion of representative, clinically important pathogens and the challenges they present to healthcare settings and the general population. With specific regard to dentistry, comprehensive infection prevention recommendations now address the potential for colonization and contamination of dental treatment water. Emphasis here will focus on current waterborne microbial challenges, including Pseudomonas, Legionella pneumophilia, and non-tuberculous Mycobacteria (NTM) species.

Vaccine Recommendations: Science, Success & Myths

This seminar will consider vaccination as an effective public health infection control tool for prevention of both the general population and health care professionals. Emphasis will focus on the most recent updated information pertaining to vaccines used in the prevention of adult infectious diseases, especially those with increased occupational health care risks. Discussion concerning recent public health vaccine recommendations, such as those targeting shingles and human papilloma virus (HPV) will also be included. The rationale and classification of available vaccines and emerging technologies will be discussed in order to provide participants appropriate scientific and clinical evidence, which can be useful when considering the necessity for their own protection, as well as protection of the general public and individuals diagnosed with immune compromising conditions and diseases. In addition, important information will be presented concerning certain public misconceptions against vaccines which threaten their documented global success against many preventable infectious diseases.

Dr. Molinari's seminar will use a traditional Power Point lecture format that will include microbiological, research, and other evidence-based clinical information to demonstrate and reinforce concepts. The presentation will also encourage audience participation in the discussion of appropriate infection prevention strategies for clinical settings. Participants will have multiple opportunities to ask questions during the course of the seminar.

Confirmations & Hotel Directions will be mailed 10 business days prior to the seminar. Please clearly complete the registration form to avoid delay.

At the completion of this course the participants should be able to:

• Describe infectious disease characteristics and outbreaks of specific waterborne pathogens that challenge our health care infection control procedures.
• Discuss available approaches to control microbial colonization of waterlines in dental and medical settings.
• Comprehend the overall impact vaccinations have had in protecting the population against many infectious diseases.
• Discuss the latest CDC vaccine recommendations for health care professionals.
• Understand the rationale for other representative vaccination recommendations, including human papilloma virus infections.
• Describe the dangers of public misconceptions against vaccines.

Learning Objectives