



## **The Annual End of Summer Meeting: Hot Topics at the Beach!**

**September 2 – 6, 2024**

### **Course Details**

**Monday, September 2, 2024**

**8:00 am – 12:00 pm**

### **Top 10 Dental Trends for Dental Auxiliary**

Presenter: Dr. Lynn Russell

**Course Description:** In this interactive course, attendees will understand the current trends shaping the dental industry and their implications for dental auxiliaries. We will identify the latest advancements in dental technology and materials, while recognizing the importance of patient-centered care and communication skills. Together we will analyze the role of preventive dentistry and its impact on patient outcomes. Later in the lecture, we will explore the integration of digital dentistry into everyday practice and understand the significance of ergonomic practices and workplace safety. Lastly, we will discuss the impact of regulatory changes on dental practice. evaluate the role of dental auxiliaries in promoting oral health education and develop strategies for continuous professional development and lifelong learning.

### **Course Objectives:**

- **Advancements in Dental Technology:** Digital imaging and diagnostics (e.g., 3D imaging, intraoral scanners), CAD/CAM technology and its applications, Laser dentistry advancements, Teledentistry and its growing role
- **Innovations in Dental Materials:** New materials in restorative dentistry (e.g., composite resins, ceramics), biocompatible materials and their benefits, advances in dental implants and prosthetics
- **Patient-Centered Care:** Effective communication skills with patients, enhancing patient experience and satisfaction, personalized treatment planning and cultural competence in dental care
- **Preventive Dentistry:** Emphasis on preventive care and early detection, caries risk assessment and management. Advances in sealants and fluoride treatments, nutritional counseling and its impact on oral health

**Tuesday, September 3, 2024**

**8:00 am – 12:00 pm**

**Auxiliary: A. I. in Dental Healthcare: Advancements, Applications, and Ethics**

Presenter: Dr. Lynn Russell

In this interactive course, we will explore and understand the basic principles and technologies behind artificial intelligence as applied to dental healthcare. We will analyze the ethical considerations and challenges associated with the use of AI in healthcare and familiarize participants with the regulatory frameworks governing AI technologies in healthcare. The second half of the lecture, we will discuss how AI tools can support clinical decision-making processes, improve diagnostic accuracy, promote collaboration between healthcare professionals and AI experts, identify common challenges and barriers and develop action plans for integrating AI technologies into healthcare practice or organization.

**Learning Objectives:**

- Examine AI Applications
- Assess Ethical Implications
- Understand Regulatory Landscape
- Enhance Clinical Decision-Making
- Foster Interdisciplinary Collaboration
- Address Implementation Challenges
- Develop Action Plans

**Wednesday, September 4, 2024**

**8:00 am – 12:00 pm**

**Straighten, Restore, and Prevent: Start to Finish**

Presenters: Robyn Duke and Cindy Galbreath

First Half:

**Course Description:** This course will start with Clarity Aligner Treatment and the ins and outs of this Aligner, move to Filtek Matrix and how to restore straight teeth that need a little more work and finish with how to protect with new prevention protocols.

### **Learning Objectives:**

- Understanding of using Clarity Aligners and cases to select for great aligner results
- Filtek Matrix and how to make anterior composites faster and easier
- How to protect and take care of your cases with Fluoride and retainers.

Second Half:

**Course Description:** Each time we invasively touch uncut tooth enamel we're starting the clock ticking on the life and vitality of that tooth. Are we really treating our patient's disease or just the consequences of their disease?

In this lecture we'll explore strategies for protecting and maintaining your patients' restorations and teeth for the long term, creating an atmosphere of clinical excellence for you and your patients.

### **Learning Objectives:**

- Discuss the modern concepts of caries and the tendency to overtreat consequences of disease.
- Describe evidence-based methodologies for treating and protecting valuable tooth structure and maintaining the integrity of existing restorations.
- Utilize personalized dentistry, new treatment technologies and prevention as a philosophy for sustainable health care.

**Thursday, September 5, 2024**

**8:00 am – 12:00 pm**

### **Medical Emergency Procedures for the Dental Team**

Presenter: Dr. Nicholas Mechas

This interactive lecture will include a medicine overview, common medical problems and their treatments. We will examine and analyze office preparedness and treatment of medical emergencies.

#### **Learning Objectives:**

- Attendees will gain knowledge of the most common medical emergencies which occur in the dental outpatient setting.
- Attendees will gain knowledge on the evaluation and treatment of emergencies. A
- Attendants will be instructed on items needed in their armamentarium for initial handling of common medical emergencies as well as their use.

## **Review of Current Pediatric Dental Standards of Care**

Presenter: Dr. Shana Van Cleave

Children are NOT small adults. This course will provide an overview and update of current standards within the specialty of Pediatric Dentistry, as well as explore emerging themes within the treatment of children. Topics will include caries disease management, restorative dentistry standards in pediatrics, tips and tricks in behavior guidance, an overview of pulpal diagnoses in primary teeth, new traumatology standards, obstructive sleep apnea in pediatric patients, the use of laser dentistry, and treating patients with special needs.

### **Learning Objectives:**

- Summarize current recommendations in treating pediatric dental patients in a general practice.
- Discuss emerging topics affecting the dental, physical and psychological development of growing children.

**Friday, September 6, 2024**

**8:00 am – 12:00 pm**

## **Oral Surgery Update, Techniques, and Tips: From Extractions to Bone Grafting**

Presenter: Dr. Nicholas Mechas

This interactive course and case-based lecture will cover a range of oral surgery techniques, tips for good local anesthesia, extractions, alveoloplasty, biopsies, and suturing. The last hour of the course will cover socket preservation bone grafting.

- Attendees will gain knowledge on the instruments, techniques, and process for safely performing a range of dentoalveolar procedures.
- Be able to increase their knowledge in the area of obtaining adequate local anesthesia intraorally.
- Be knowledgeable on how to perform simple intraoral biopsies.
- Understand the steps for performing socket preservation bone grafts, at which attendees should have a broad understanding of materials needed and the process of doing the procedure.

## **Compliance with CDC Guidelines for Safety and Infection Control in Dental Healthcare Settings**

Presenter: Dr. Risa Handman

**Course Description:** This interactive presentation will delve into the crucial aspects of safety and infection control in the dental healthcare setting. We'll cover the latest CDC guidelines, OSHA standards, best practices for maintaining a sterile environment, strategies for minimizing infection risks, and practical tips for compliance. From PPE protocols to disinfection procedures, this session is essential for dental professionals committed to safeguarding patient and dental healthcare provider well-being.

**Learning Objectives:**

- Demonstrate a thorough understanding of the latest CDC guidelines for safety and infection control in dental healthcare settings, including the rationale behind these recommendations and how they apply to daily practice.
- Implement effective infection control measures in the dental healthcare setting, to include proper use of personal protective equipment (PPE), evidence-based sterilization techniques, and environmental disinfection protocols to ensure a safe clinical environment.
- Conduct a comprehensive risk assessment and create a robust infection control plan tailored to specific dental practice settings, identifying potential hazards and mitigating risks to both patients and providers.
- Maintain compliance with regulatory requirements, including proper documentation and record-keeping practices that demonstrate adherence to CDC guidelines and support continuous quality improvement in infection control practices.

*\*Any missing course descriptions will be available on the registration site\**