Session One: 8:00 AM - 10:00 AM

**Evidence-Based Decision Making in Clinical Practice**

**Presenter:** Joan M. Pellegrini, BSDH, MS, PhD  
**Audience:** Dental Assistants, Dental Hygienists, Dentists  
**Format:** Case Presentation, Question & Answer Session, Small Group Discussion, Mentor/Coaching  
**Cost:** $29 Early Registration; $35 Regular Registration  
**Credits:** 2 CEUs Lecture

**Description:** This course is designed to familiarize the learner with the scope of current literature in the field of dentistry. It will provide opportunities for learners to improve their critical thinking abilities, to attain information fluency, including quantitative literacy, and to be guided by current research publications, ethical perspectives and responsibilities to their patients, their practice, and their profession.

**Educational Objectives:** Upon completion of the course, participants should be able to:

- Develop insight into critical review of professional, current healthcare literature and its relationship to decision making in contemporary clinical dental practice, with focus on assessment and treatment considerations of patients.
- Discuss considerations for modification or alteration of dental treatment for individuals with special needs, based on new knowledge gained from review of current professional literature.
- Develop a model of inquiry to search the professional literature to answer clinical questions regarding patient care outcomes.
- Stimulate life-long learning habits developed as a result of inquiry into dental literature though this course model.

**Dental Radiation Safety Certification**

**Presenter:** Laurie C. Carter, DDS, PhD  
**Audience:** Dental Assistants; Dental Hygienists; Office Staff  
**Format:** Lecture, Question & Answer Session  
**Cost:** $150 Early Registration; $160 Regular Registration  
**Credits:** 4 CEUs Lecture

**Description:** This presentation will provide participants with knowledge regarding the production and safe use of ionizing radiation within the dental office.

- The nature of radiation and types of interaction of radiation with matter will be presented.
- The nature of various natural and man-made radiation and occupational and nonoccupational dose
limits will be discussed.
◊ The principles of justification, optimization and dose limitation for patient radiation protection will be illustrated by a review of patient selection criteria, imaging modalities, source-to-skin distance, rectangular collimation, filtration, constant potential x-ray machines, kVp, mAs, film and sensor-holding devices, leaded aprons and collars.
◊ Risks vs. diagnostic benefits of dental radiographs and the subject of retake radiographs will be covered.
◊ Operator (personnel) radiation protection will include the basic methods to reduce occupational exposure, inclusive of position, distance, shielding and radiation dosimetry.
◊ Examples of radiation-induced damage will be reviewed, along with a discussion of the known and unknown effects of low-dose radiation.
◊ Finally, the need for continuing education on radiation safety and protection as new information is acquired will be stressed, as acquiring knowledge and developing and maintaining skills is a life-long process.

**Educational Objectives:** Upon completion of the course, participants should be able to:
• Describe how ionizing radiation is produced in an x-ray generator.
• Discuss the various modes of interaction of radiation with matter.
• Discuss selection criteria for dental radiographic studies.
• Describe occupational and public dose limits.
• Discuss practical principles of radiation protection for the patient and for the operator.
• Describe circumstances under which retake radiographs should be made.
• Discuss effects of low-dose radiation

**Dental Materials for Restorative Assistants ~ Auxiliary Workshop**

**Presenters:** Carol N. Brooks, DDS; Lori Turner, CDA, BS

**Audience:** Dental Assistants

**Format:** Lecture, Question & Answer Session, Laboratory Session, Simulated Patient(s), Skill Demonstration, Mentor/Coaching

**Cost:** $59 Early Registration; $65 Regular Registration

**Credits:** 4 CEUs Lecture

**Description:** This course is geared toward the experienced C.D.A., D.A.I. and D.A.II. This course will review and enhance the auxiliary's knowledge of dental materials and safe handling practices. It will introduce newly marketed products and highlight popular trends in restorative materials. A simulation lab exercise will provide a unique hands-on experience for assistants to refine their skills at placing rubber dams to achieve ideal isolation for restorative procedures and sealant placement. Textbook methods will be covered as well as techniques used in less than ideal situations. Information will be delivered to review safe practices and ways to reduce cross-contamination in the clinical setting. Presenters will oversee the simulation exercise and enforce safe infection control practices.

**Educational Objectives:** Upon completion of the course, participants should be able to:
• Achieve an understanding of newly marketed restorative dental materials, product usages, and proper handling.
• Define infection control safe practices and identify ways to potentially reduce clinical cross-contamination.
• Recognize and display proper techniques used to achieve ideal isolation for operative procedures.
• Demonstrate sealant placement during a simulation lab exercise.
Session Two: 10:15 AM - 12:15 PM

**Critical Elements of the Health History: Management of High Risk and Medically Compromised Patients**

**Presenters:** M. Anjum Shah, BSDH, RDH, MS; Tammy K. Swecker, BSDH, MEd  
**Audience:** Dental Assistants, Dental Hygienists, Dentists  
**Format:** Lecture, Case Presentation, Question & Answer Session, Small Group Discussion  
**Cost:** $29 Early Registration; $35 Regular Registration  
**Credits:** 2 CEUs Lecture

**Description:** This course will review the importance of proper documentation and record keeping to prevent litigation. Participants will discuss elements of informed consent, presenting and documenting treatment plans and recording the care provided. Cases will be examined on the completeness of record keeping and errors in documentation.

**Educational Objectives:** Upon completion of the course, participants should be able to:
- List five necessary questions to ask during medical history inquiry.
- Identify lab tests most commonly required prior to the delivery of dental services.
- Explain diseases/conditions that contraindicated or alter dental or dental hygiene treatments.
- List medications which side effects impact the delivery of dental services.

Session Three: 1:00 PM - 3:00 PM

**Panoramic Radiography: Achieving the Optimum Diagnostic Value**

**Presenter:** Laurie C. Carter, DDS, PhD  
**Audience:** Dental Assistants, Dental Hygienists, Dentists  
**Format:** Lecture  
**Cost:** $29 Early Registration; $35 Regular Registration  
**Credits:** 2 CEUs Lecture

**Description:** The first portion of this presentation will cover principles of tomography and panoramic radiography, image layer formation, patient positioning in the unit and the relationship between these elements and how they affect the anatomical accuracy and diagnostic quality of the resultant panoramic image. Patient preparation and troubleshooting techniques for errors in patient positioning are covered. The final portion of the course concentrates on the development of an accurate morphologic road map or strategy for evaluating the anatomic structures on the film. Take a walking tour of the panoramic radiograph, starting with the mineralized tissues and then progressing to soft tissues and air spaces.

**Educational Objectives:** Upon completion of the course, participants should be able to:
- Understand the principles of tomography and panoramic radiography.
- Prepare the patient for the imaging study.
- Properly position the patient for a panoramic radiograph and recognize and troubleshoot positioning errors.
- Read and interpret the panoramic radiograph, inclusive of mineralized structures, soft tissue shadows and air spaces.
**True Four-Handed Dentistry - A Team Approach**

**Presenters:** Lori Turner, CDA, BS; Carol N. Brooks, DDS; Perry E. Jones, DDS, MAGD  
**Audience:** Dental Assistants  
**Format:** Lecture, Question & Answer Session, Skill Demonstration, Mentor/Coaching  
**Cost:** $59 Early Registration; $65 Regular Registration  
**Credits:** 4 CEUs Lecture  

**Description:** This course is appropriate for all dental team members. It is designed to refresh or realign participants on the basics of true four-handed dentistry, while expanding their views on teamwork within the dental practice. Focus is placed on clinical skills associated with dental ergonomics, proper instrument and material transfers, clinical organization and efficiency. Motivational speaking will pertain to each member of the dental team and cover methods that promote in-office team building and growth.

**Educational Objectives:** Upon completion of the course, participants should be able to:  
- Identify the following clinical skills: proper instrument transfer techniques, motion economy skills, and standard zones of activity.  
- Demonstrate ideal ergonomic positioning and seated posture.  
- Explain effective measures for procedural time management and clinical efficiency.  
- Recognize methods for encouraging effective in-office communication and strategies for internal team building and promoting professional growth.

**Ultrasonic Instrumentation: Evaluate Your Technique**

**Presenters:** Michelle M. McGregor, RDH, BS, MEd; Marianne Dryer, RDH, MEd  
**Audience:** Dental Hygienists  
**Format:** Lecture, Question & Answer Session, Laboratory Session, Skill Demonstration  
**Cost:** $29 Early Registration; $35 Regular Registration  
**Credits:** 2 CEUs Lecture  

**Description:** This hands-on presentation will allow participants to evaluate their technique using magnetostrictive ultrasonic instrumentation. Working on typodonts participants will learn about different tip designs, placement and strokes to improve debridement and evaluate their technique.

**Educational Objectives:** Upon completion of the course, participants should be able to:  
- Identify indications for usage of a variety of inserts and tip designs.  
- Discuss factors which influence and or change instrument technique such as root anatomy, disease or treatment objectives.  
- Demonstrate the correct technique using an ultrasonic instrument to include appropriate fulcrum, adaptation and working stroke.
Session Four: 3:15 PM - 5:15 PM

**Documentation Essentials: 'If You Didn't Write It, It Didn't Happen!'**

**Presenters:** Tammy K. Swecker, BSDH, MEd; Michelle M. McGregor, RDH, BS, MEd  
**Audience:** Dental Assistants, Dental Hygienists, Dentists, Office Staff  
**Format:** Lecture, Case Presentation, Question & Answer Session, Small Group Discussion  
**Cost:** $29 Early Registration; $35 Regular Registration  
**Credits:** 2 CEUs Lecture

**Description:** This course will review the elements of accurate documentation and record keeping for the dental office. Participants will discuss the treatment plan, alternative treatment plans, prognosis, the significance of informed consent, management of the noncompliant patient and referral. Case scenarios will be presented and discussed.

**Educational Objectives:** Upon completion of the course, participants should be able to:  
• List the essential components of accurate recordkeeping.  
• Discuss the documentation of treatment planning, alternative treatment plans, prognosis, informed consent and the noncompliant patient.  
• Identify documentation errors that may present a professional or legal risk.  
• Analyze case scenarios by circling documentation errors and modify errors using documentation techniques learned.

**Domestic Violence: Recognition and Resources for the Dental Professional**

**Presenter:** Joan M. Pellegrini, BSDH, MS, PhD  
**Audience:** Dental Assistants, Dental Hygienists, Dentists  
**Format:** Lecture, Case Presentation, Question & Answer Session, Small Group Discussion  
**Cost:** $29 Early Registration; $35 Regular Registration  
**Credits:** 2 CEUs Lecture

**Description:** As licensed healthcare providers we are legally mandated reporters for abuse and neglect of children (under the age of 18), elders (over age 60) and special patient populations. There is no mandated reporting status for those victims between 18 and 60. This course is designed to help the dental health care provider to recognize signs and symptoms of domestic/intimate partner violence in individuals they encounter. Project RADAR (VA Department of Dental Health training website) and current professional research literature will be discussed, with implications for providing resources, documentation and understanding for this at-risk group.

**Educational Objectives:** Upon completion of the course, participants should be able to:  
• Define domestic/intimate partner violence, relating to those not covered by mandated reporting status.  
• Recognize clinical signs and symptoms of domestic/intimate partner violence.  
• Identify resources to provide suspected victims of DV/IPV.  
• Develop a program and perform DV/IPV screening, assessment, intervention and documentation strategies for your dental practice.