Advanced Clinical Dental Hygiene Techniques: Hands-On Workshop
Herman Ostrow School of Dentistry of USC

Lecture, Lab & Hands-On Course

Monday, August 1, 2011. 9:00am - 12:00pm
CAMBRA – Caries Management by Risk Assessment
Gayle Myers, BS, RDH
This lecture and hands-on laboratory course for dentists and dental hygienists describes how to incorporate CAMBRA (Caries Management by Risk Assessment) protocols into an educational program or dental office.
Course Objectives: Upon completion of the lecture, participants will be able to understand:
• Philosophy and objectives of CAMBRA.
• Criteria for assessing the four risk levels.
• Protocol and treatment strategies for the four risk levels.
• Type of products used for the treatment strategies.
• Protocols for follow up care.

Monday, August 1, 2011. 1:00pm - 5:00pm
CAMBRA – Caries Management by Risk Assessment
Diane Melrose, RDH
This lecture and hands-on laboratory course for dentists and dental hygienists on periodontal endoscopy (perioscopy) describes how the use of the dental endoscope can enhance your ability to perform periapical instrumentation with a new understanding and a renewed vision for your profession.
Objectives: Upon completion of this course, the participant will be able to:
• Interpret basic hard tissue anatomy with the endoscope – including furcations.
• Identify images of the soft tissue landscape including the PDL.
• Interprete images of basic etiology-plaque, calculus and caries.
• View images of calculus removal with two handed instrumentation.
• Gain hands on experience with the endoscope to see deposits invisible to the eye.
• Experience two-handed instrumentation on typodonts.
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Tuesday, August 2, 2011. 9:00am - 12:00pm
Ultrasonics - Lecture & Lab
Donna Smith, BSDH, MSED and Dental Hygiene Faculty
This lecture and hands-on laboratory course for dentists and dental hygienists on ultrasonic equipment and techniques will allow you to use and evaluate seven different magnetostriuctive and piezoelectric ultrasonic units with hands on instruction.
Objectives: Upon completion of this course, the participant will be able to assess:
• The differences between magnetostrictive and piezoelectric technology.
• Various ultrasonic unit designs and evaluate handle ergonomics.
• Various designs and select tips to best suit the needs of different types of patients.
• The ease of set up and take down of a variety of different machines.
• The efficiency of various ultrasonic units to remove artificial deposits from typodont teeth.
• Different ultrasonic strokes and determine which techniques are most effective for different types of deposits.

Tuesday, August 2, 2011. 1:00pm - 5:00pm
Local Anesthesia Update - Lecture & Lab
Stanley Malamed, DDS
This lecture and laboratory course for dentists and dental hygienists is a comprehensive review of newest local anesthetic agents, devices and techniques which will update your injection technique through lecture and laboratory practice.
Objectives: Upon completion of this course, the participant will be able to describe:
• Mechanism of action of buffered local anesthetics.
• Mechanism of action of the local anesthesia reversal agent, phentolamine mesylate.
• A advantage and concepts behind computer-controlled local anesthetic delivery (C-CLAD).
• Advantages/disadvantages, indications/contraindications for articaine HCl.
• Actions of intranal local anesthesia.
• Administration of the AMSA nerve block using a C-CLAD device.
• New techniques and demonstrate these injections on skulls.

Tuesday, August 2, 2011. 6:00pm - 8:00pm
Clinical practice on participant partners
This clinic session will allow participants to practice giving new injections and using the C-CLAD device on partners with supervision and instruction by experienced USC clinical instructors.
Objectives: Upon completion of this course, the participant will be able to perform:
• AMSA injection and other techniques using a traditional syringe.
• AMSA nerve block using a C-CLAD device.

Please make check payable and mail to
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All participants are required to complete an Informed Consent and Waiver of Liability form prior to the start of the course. Please bring your signed form to the course. If you have any medical conditions, please consult your doctor prior to attending the program.
Diane Melrose, RDH, BS
Diane is clinical professor and chair of the Department of Dental Hygiene at the Herman Ostrow School of Dentistry of USC. She has lectured across the United States and abroad and has published extensively on patient education, the disabled patient, and oral hygiene. She has set up patient education programs for dental offices, hospitals, institutions, and universities.

Topic: CAMBRA (Caries Management by Risk Assessment) - Lecture & Hands-On Lab (Sat - Sun, July 30 - 31, 2011. 8:00 am - 5:00pm)

Gayle Myers, RDH, BS
Gayle received her B.S. in dental hygiene from the Herman Ostrow School of Dentistry of USC. She has been part time clinical instructor at USC, and a clinician in periodontal practices for 30 years. She developed the techniques for interpretation of dental radiographs. Currently she continues to practice, lecture, write articles, and train clinicians in the clinical applications of the dental endoscope and is a participant in several peer review studies as well as the basic science research in dental endoscopy.

Topic: Perioscopy - Lecture & Lab (Mon, Aug 1, 2011. 1:00pm - 5:00pm)

Donna Smith, BSDH, MSED
Donna is a full time Associate Professor of Clinical Dentistry for the dental hygiene program at the Herman Ostrow School of Dentistry of the University of Southern California. She graduated from the University of Southern California with her BS in dental hygiene and a graduate degree was obtained across the United States and Abroad. She has been in private practice and education for 35 years.

Topic: Ultrasonics - Lecture & Lab (Tues, Aug 2, 2011. 8:00 am - 12:00pm)

Program Overview
Saturday, July 30, 2011. 8:00 am - 5:00pm
Advanced Periodontal Instrumentation - Lecture & Lab
Anna Pattison, RDH, MS
This program for dentists and dental hygienists provides descriptive and critical date information on new instruments, and techniques that will enhance your ability to recognize and treat patients with moderate to advanced periodontal disease. The format includes lecture, videotape and slide presentations on the following topics:

Rationale for root debridement: what are the latest concepts?
The influence of the periodontal endoscope on instrumentation.
Videotape comparing hand and ultrasonic instrumentation.
Use of Gracey 15/16, Gracey 17/18, Extra Rigid Gaches, After Fives™ and Mini Fives™, Micro Mini Fives™, Gracey Curvettes, universal curets, new sickles, files diamond coated files, furcation curets, implant instruments and other new periodontal instruments.
Comparison of magnetostriective and piezoelectric ultrasonic units and tip designs.
Common clinical problems with instrumentation
Innovative extraoral, reinforced, cross arch and alternative access to difficult areas with various ultrasonic instruments.
Specific techniques for furcations, line angles, and deep narrow pockets.
Antimicrobial irrigation and local delivery antibiotics.

Objectives: Upon completion of this course, the participant will be able to:
Identify the objectives of periodontal debridement.
Describe the characteristics of the dental endoscope.
Recognize the design, indications and sequence for use of universal curets, Gracey curets, mini-bladed and micro-mini-bladed Gracey curets, Gracey Curvettes, sickle scalers, files, furcation curets and diamond coated instruments.
Demonstrate the use of universal curets, Gracey curets, mini-bladed curets and Micro mini-bladed Gracey curets, Gracey Curvettes, sickle scalers, files, furcation curets and diamond coated instruments on periodontal type teeth.
Demonstrate techniques for scaling maxillary and mandibular furcations.
Demonstrate intraoral, finger-on-finger, extraoral, and contra-angle instrumentation in simulated furcation.

Announcing the 2011 Advanced Periodontal Instrumentation Lecture program...
Donna Smith, RDH, MS at the Herman Ostrow School of Dentistry of USC
This laboratory course for dentists and dental hygienists is designed to enhance your periodontal instrumentation enabling you to treat patients with greater precision and confidence. This intensive hands-on experience includes concurrent TV demonstration by Anna Pattison, plus a team of experienced instructors offering individualized instruction throughout the day. The course features:

- Root planing exercises and root morphology review on extracted teeth.
- Keys to effective instrumentation technique.
- Weekly Saturday morning instrumentation experience on typodonts with accurate root anatomy and periodontal defects.
- Use of contra-angle, reinforced, crosstrack and opposite arch fulcums.
- Innovative approaches for access to difficult problem areas such as furcations, line angles and deep, narrow pockets.
- Instrument sharpening - hands on.
- Participants are asked to bring safety glasses and gloves. It is advisable for attendees to not wear white clothing. Typodonts, poles, and complete instrument kits will be provided for use only during the course.

Objectives: Upon completion of this hands-on workshop, the participant will be able to:
- Describe the characteristics of a proper fit for gloves.
- Demonstrate close overlapping strokes on an extracted tooth with a Gracey curet.
- Recognize the design, indications and sequence for use of universal curets, Gracey curets, mini-bladed and micro-mini-bladed Gracey curets, Gracey Curvettes, sickle scalers, files, furcation curets and diamond coated instruments on periodontal type teeth.
- Demonstrate techniques for scaling maxillary and mandibular furcations.
- Demonstrate intraoral, finger-on-finger, extraoral, and contra-angle instrumentation in simulated furcation.

 Registrants for Part II must have attended Part I or another full day Advanced Periodontal Instrumentation lecture course by Anna Pattison within the past three years as the Part II workshop teaches skills which build on concepts presented in the Part I (full-day) lecture course. *Documented proof of attendance required.* Note: Participants are asked to bring safety glasses and gloves. It is advisable for attendees to not wear white clothing. Typodonts, poles, and complete instrument kits will be provided for use only during the course.