



Course Abstracts From the Upcoming 2008 Fall Scientific Session

The following speakers will give presentations at the 2008 Fall Scientific Session. For more information on the Session, please go to cda.org, and click on “Conferences & Education,” then “Scientific Sessions.”



Dr. Barghi is a professor and head of the Division of Esthetic Dentistry in the Department of Restorative Dentistry at the University of Texas Health Science Center at San Antonio Dental School.

Dr. Barghi will present the following fee workshop on Sunday, Sept. 14, from 8:30 a.m. to 12:30 p.m. at Moscone South Convention Center Room 228/230. The workshop offers 4.0 C.E. units in Dental Board of California Category I.

NASSER BARGHI, DDS, MA

Bonding Ceramic Veneers in 2008 Using Advanced Materials and Technology

Porcelain veneers have been accepted as a well-performed and well-researched treatment modality for replicating the appearance and function of anterior natural dentition. In recent years, new and improved products have been introduced along with volumes of in-vitro and in-vivo information not only to enhance the esthetic and longevity of porcelain veneers but also to minimize unexpected and less desirable clinical outcomes; e.g., fracture, debonding, and discoloration. This presentation will examine the fundamentals of bonding ceramic veneers in light of long-term

clinical observations, new scientific information, and new products. Participants will be provided with practical information on the following topics related to porcelain veneers: enhancing the esthetic and longevity of porcelain veneers in light of current scientific information, formulating a sound practical concept for providing durable etched ceramic restorations, selection of a color stable and reliable luting resin for bonding porcelain veneers, minimizing the failures of porcelain veneers, and intraoral repair of bonded ceramic restorations.



Dr. Fischer lectures around the world on the subject of minimal invasive dentistry and reaching more social economic groups via maximizing the possibilities of simplistic modern dental technologies.

Dr. Fischer will present the following lecture on Saturday, Sept. 13, from 9:30 to noon and from 2 to 4:30 p.m. at the Moscone South Convention Center, Room 303. The lecture offers 2.5 C.E. units in Dental Board of California Category I.

DANIEL E. FISCHER, DDS, FAGD

The Wonderful World of Cutting Less to Achieve More

Listening to the needs of the tooth and the patient is pivotal to maximizing opportunities for professional care with new technologies. Participants will learn how to minimize expensive indirect prosthetic procedures for caring, affordable direct-placed alternatives. The alternatives will enable the dentist to earn just as much or potentially more while facilitating quality care for patients of all socio-economic groups. The concepts of an adhesive continuum from the apex outward to the minimally invasive restoration will be covered. Preservation of the tooth structure will be positioned as the ultimate goal. This will include techniques for minimally

invasive tooth preparation and tissue management techniques for master impressions. Best methods for effective high-strength bonding of dentin and enamel and prevention of post-op sensitivity will also be explored. In this course, attendees will discuss techniques to keep more patients dentate throughout their lives, learn how to preserve more of the natural dentition in esthetic ways, and review proper tissue management techniques and the effects sulcular fluids have on impressions. Attendees will leave the course with vigor for ethics with esthetics, renewed professionalism, and a revived sense of human care and pride in being a dentist.



Dr. Folsie is a recognized speaker on geriatric dentistry; dentistry for aged, blind and disabled special needs patients; oral health advocacy; and functional and efficient denture care.

Dr. Folsie will present the following lecture on Saturday, Sept. 13, from 2 to 4:30 p.m. at the Moscone South Convention Center, Room 106. The lecture offers 2.5 C.E. units in Dental Board of California Category I.

GREGORY J. FOLSE, DDS

Geriatric Dentistry: Clinical Patient Management

Providing care to aging or special needs patients can be both challenging and blessed. From the first "Hello," they require special treatment, assistance, and management. With the coming tsunami of aging patients and those with special needs, dental teams must be prepared for these great and appreciative patients. Using real-world scenarios, demonstrations, and video clips, this lecture will provide tips on vulnerable patient treatment, approach, communication, seating, financing, and follow-up. Preventive strategies, fluoride issues, in-office patient flow, scheduling concerns, and parking lot assistance will be addressed.

When, where, and how to treat, when not to treat, treating difficult denture patients, a one-minute extraction procedure, and funding sources will be discussed. Answers to many dental, medical, pharmacological and psychological concerns are provided enhancing the team's ability to treat this population in the general dental office. By applying these techniques, attendees will greatly add to the quality of life and even save the lives of a truly wonderful patient population. For this population, poor oral health can kill. The need for the entire dental team to expand their skills to treat these patients is great. The rewards for doing so are even greater.



Dr. Gremillion is the director of the Parker E. Mahan Facial Pain Center.

Dr. Gremillion will present the following lecture on Friday, Sept. 12, from 8:30 to 11 a.m. at the Moscone South Convention Center, Room 301. The lecture offers 2.5 C.E. units in Dental Board of California Category 1.

HENRY A. GREMILLION, DDS

TMD/Orofacial Pain Diagnosis and Management: Where Are We and Where Are We Going?

The craniomandibular articulation is one of the most complex joints of the human body. It is categorized as a compound joint that allows for the complex movements of the mandible against the temporal bone in normal function. The TMJ is a synovial joint, but is unique in a number of ways. The right and the left TM joints are connected by the dense cortical bone of the mandible, allowing them to function essentially as one unit. Unique to human synovial joints, the temporomandibular articulation has a rigid end point at one border movement position provided by contact between the teeth. The articulating

surfaces of the TM joints are fibrocartilaginous. The articular disc separates each TMJ into two compartments, a superior and inferior joint space. The TMJ is a ginglymoarthrodial (hinge-gliding) joint allowing for mandibular rotation and translation.

This course will discuss the various hard tissue and soft tissue (muscular) relationships that function in an intricate manner in health. It is essential for today's dental clinician/scientist to understand the functional anatomy and biomechanics of the dynamic masticatory system so that diagnostic and treatment outcomes can be optimized



Dr. Gremillion is the director of the Parker E. Mahan Facial Pain Center.



Dr. Hawkins is the director for the CDE IV program at the Faculty of Medicine and Dentistry at the University of Alberta.

Dr. Gremillion and Dr. Hawkins will present the following workshop on Saturday, Sept. 13, from 10 a.m. to 4:30 p.m. at the Moscone South Convention Center, Room 250. The workshop offers 6.0 C.E. units in Dental Board of California Category I.

HENRY A. GREMILLION, DDS, AND MEL HAWKINS, DDS, BSCD

Demonstration and Head Dissection Anatomy of Local Anesthesia and TMJ

Local anesthesia is still the dentist's, dental hygienist's and patient's primary functional relationship. It is also a fact that anesthesia, especially mandibular anesthesia, is unsuccessful from 86 percent to 93 percent of the attempted times. How can practitioners help improve their success rate? This unique dissection/demonstration opportunity for practitioners, allows, without requiring to inject each other, the very

best way to learn: by "injecting" cadavers, and practicing under guidance. The technique emphasis will be a review of local anesthesia anatomy, a new and comprehensive re-assessment of why inferior alveolar blocks work and might not work. How to adapt the Gow-Gates and other simple-to-apply advanced techniques will be thoroughly explained. A summary of 12 tips and tricks for local anesthesia will conclude Dr. Hawkins' portion of the presentation.



Dr. Heymann is a professor and graduate program director of operative dentistry at the University of North Carolina School of Dentistry.

Dr. Heymann will present the following lecture on Friday, Sept. 12, from 9 to 11:30 a.m. and on Saturday, Sept. 13, from 10 a.m. to 12:30 p.m. at the Moscone South Convention Center, Room 305/307. The lecture offers 2.5 C.E. units in Dental Board of California Category I.

HARALD O. HEYMANN, DDS, MED

Bread-and-butter Adhesive and Esthetic Dentistry

This course will provide a bottom-line approach to what works in the realm of everyday adhesive and restorative dentistry. Real-world, time-proven information will be provided on a variety of topics critical to consistent long-term success in conservative esthetic dentistry. The course will begin with an evidence-based overview of adhesive dentistry. First, the various types of adhesive systems will be chronicled and the clinical performance of each revealed based on the latest clinical research. Did you know that the old “tried and true” multi-bottle systems still afford the best clinical performance? This presentation also will address a number of clinical co-variables

related to the performance of adhesive systems. What contaminants are most adverse? How do you best deal with sclerotic lesions? And then there is the issue of tooth sensitivity. How do you best deal with root sensitivity? Amorphous calcium phosphate, fluoride containing chemotherapeutic agents, crystal precipitates, and the highly effective glutaraldehyde desensitizers will be reviewed in the context of their clinical applications. The importance of the “C-factor” and the role of flowable composites in dealing with the adverse effects of polymerization shrinkage will be addressed in detail. Get the facts based on research, not anecdote, opinion, or hype.



Dr. Huffines is the director of geriatric dentistry at the Department of Veterans Affairs Medical Center in Johnson City, Tenn.

Dr. Huffines will present the following lecture on Sunday, Sept. 14, from 8:30 a.m. to 12:30 p.m. at the Moscone South Convention Center, Room 309. The lecture offers 4.0 C.E. units in Dental Board of California Category I.

RANDY F. HUFFINES, DDS

Restorative Challenges in Older Patients

Most Americans now enter the senior years with their natural dentitions. However, many older adults experience an alarming rise in coronal and root caries that threatens teeth they have been fortunate enough to retain. Root caries can be especially frustrating to the clinician. During this presentation, Dr. Huffines will share proven step-by-step restorative techniques for this increasingly common problem. Xerostomia is a major cause of mature caries, and the latest in chemotherapeutic protocols for the management of “dry mouth” will be extensively covered. Age-related changes to pulpal tissues alter local anesthetic

techniques. Caries-affected dentin and sclerotic dentin are more common as people age, and bonding to this altered dentin can be a challenge. When restoring the teeth, age-related changes in texture, reflectance, translucency, hue, value, and chroma must be understood for an age-appropriate esthetic result. Attrition, abrasion, erosion, and other tooth wear phenomenon affect restorative contours, material longevity, and occlusal harmony. Attendees will learn new techniques, as well as simple modifications to existing procedures, so they can achieve restorative success with older patients. Techniques are clearly explained by extensive use of clinical images and video clips so they can immediately be put into practice.



Dr. Jacobsen is an adjunct professor at the University of the Pacific, Arthur A. Dugoni School of Dentistry and vice chairperson of the ADA Council on Scientific Affairs. He is the author of the Little Dental Drug Booklet.

Dr. Jacobsen will present the following lecture on Friday, Sept. 12, from 10 a.m. to 12:30 p.m. and from 2:30 to 5 p.m. at the Moscone South Convention Center, Room 106. The lecture offers 2.5 C.E. units in Dental Board of California Category I.

PETER L. JACOBSEN, PHD, DDS

Fighting Dental Disease — Drugs, Bugs and Dental Products

Dentists and hygienists know about the new prophylactic antibiotics for heart problems, but what about prosthetic joints? What about body augmentation implants? New systemic and topical antiviral drugs are available. Can they be used to prophylactically prevent herpes attacks? Is metronidazole the next drug of choice, if amoxicillin doesn't work for a periapical infection? Can aphthous ulcers be effectively controlled with the new over-the-counter dental products? Are the newest anti-gingivitis and anti-hypersensitivity products really

clinically effective, and should my patient switch to them? Do they put ginkgo biloba in the new natural tooth-pastes so patients will remember to brush their teeth? We all make decisions and recommendations. Patients constantly have questions. This course will update attendees with the latest information on a wide range of prescription drugs and over-the-counter dental products. It will also discuss the various "active ingredients," allowing a better understanding of oral care products that will be useful for the patient.



Dr. Karp has a PhD in biochemical nutrition from the Ohio State University and a doctorate in dental medicine from the Medical College of Georgia.

Dr. Karp will present the following lecture on Saturday, Sept. 13, from 2:30 to 5 p.m. at the Moscone South Convention Center, Room 305/307. The lecture offers 2.5 C.E. units in Dental Board of California Category I.

WARREN B. KARP, PHD, DMD

Nutrition Update: 2008

Have you ever heard the term "pop nutrition"? Today, in the United States, nutrition science has been replaced by nutrition polls and surveys. What people "think and feel" has become more valuable than case-controlled, double-blinded, prospective evidenced-based studies. Culture-based nutrition evokes pseudo-nutrition terms such as "emerging science suggests" and "ahead of the science." Do we really want to be "ahead of the science"? In contrast to culture-based views of nutrition, the science of nutrition has evolved considerably during the past 30 years. Today, there is little doubt or disagreement over what constitutes

optimal nutrition for the vast majority of Americans. This information has a hard time penetrating the media curtain of diets, nutritional products, and dietary supplements. All the while, Americans are gaining more and more weight with the ever-increasing risks of heart disease, stroke, diabetes, and hypertension. Have we finally arrived at "the other side of the looking glass?" "Nutrition Update: 2008" is a presentation aimed at re-focusing dental health professionals on evidenced-base nutrition guidance and information. The goal is to facilitate an understanding of nutrition science in both dental health professionals and their patients.



Dr. and Ms. Odiatu will present the following lecture on Saturday, Sept. 13, from 10 a.m. to 12:30 p.m. at the San Francisco Marriott, Room Salon 9. The lecture offers 2.5 C.E. units in Dental Board of California Category II.



Dr. Odiatu is a practicing dentist and an instructor at the University of Toronto.

Ms. Odiatu is a certified trainer and a Ms. Fitness Universe.

UCHE ODIATU, BA, DMD, AND KARY ODIATU, BPE, BED

Ergonomics: a Fitness Prescription

John F. Kennedy said, "Physical fitness is the basis for all other forms of excellence." As a dental professional, you are striving to be the best. Your patients expect the entire team to be operating at peak performance — they want the best dental treatment possible. Flight attendants tell us: "In the event of an emergency put your own oxygen mask on first, then help the person next to you." In order to care for others, you must nurture and support yourself first. The scientific research is in — exercise is a

modern-day miracle. In this program, attendees will discover the benefits of a personal wellness plan: increased productivity and efficiency with freedom from pain and discomfort, improved posture when 600 muscles and 205 bones move in perfect harmony, abundant energy from consciously choosing the most nutritious foods, better mental focus and memory through increased circulation to the brain, and a positive self-image due to a greater sense of self-efficacy.



Dr. Paquette and Dr. Wu will present the following lecture on Saturday, Sept. 13, from 9 to 11:30 a.m. at the Moscone South Convention Center, Room 304. The lecture offers 2.5 C.E. units in Dental Board of California Category I.



Dr. Paquette serves as co-executive director of the Newport Coast Oral Facial Institute.

Dr. Wu is on faculty with the Newport Coast Oral Facial Institute.

JACINTHE M. PAQUETTE, DDS, AND JEAN C. WU, DDS

Making Treatment Outcomes More Predictable

With today's continued evolution of techniques and materials, the esthetic restorative dentist has an opportunity to create esthetically pleasing treatment outcomes like never before. Yet, selecting the best-suited treatment option for the clinical situation at hand can sometimes be challenging. This course will provide a step-by-step approach from diagnosis and treatment planning, to tooth preparations and delivery protocols for simple treatments to the more complex interdisciplinary treatment approaches. Additionally, numerous clinical examples of more complex treatment planning options will be shared to illustrate the possibilities

that exist when interdisciplinary treatments are utilized. Clinical guidelines for the diagnostic wax-up, reduction guides, tooth preparation protocols, impression techniques, and delivery will be thoroughly outlined to assist in achieving maximum esthetics with these materials. Attendees will learn the importance and protocols of patient management of the esthetically motivated patient, preparation protocols for the indirect restorations that maximize esthetics and longevity, and selection protocols for the traditional and new porcelain systems.



Dr. Siegel is a professor and the chairman of the Department of Diagnostic Sciences at Nova Southeastern University in Fort Lauderdale, Fla.

Dr. Siegel will present the following lecture on Saturday, Sept. 13, from 10:30 a.m. to 1 p.m. at the Moscone South Convention Center, Room 306/308. The lecture offers 2.5 C.E. units in Dental Board of California Category I.

MICHAEL A. SIEGEL, DDS, MS, FRCSED

Matters of the Heart

Every practicing member of the dental health care team (dentists, hygienists and assistants) routinely manage patients with some form of cardiovascular disease. Hypertension, heart murmurs, and heart valves are disorders that dental practitioners have dealt with for many years, often empirically and according to urban legend. Some patients need to be premedicated with antibiotics in order to prevent life-threatening consequences resulting from bacteremia resulting from dental care. Other patients may present with oral complaints that represent manifestations of their medical management such as medication side effects. And most

patients need no treatment plan alterations at all. This course will cover the nuances of bacterial endocarditis that were revised significantly in April 2007. These guidelines drastically curtail the need to premedicate patients for dental care. This course will also provide an in-depth review of hypertension. Dentists are now included as being responsible for the early diagnosis and referral of hypertensive patients. The complications and warning signs of hypertension will be presented. This course will enable the practicing dentist and their team to manage the medical aspects of their patient care in an evidence-based method.