**Course Title:** Imaging Considerations for Implant Treatment Planning

**Course Provider:** The American Academy of Oral and Maxillofacial Radiology

Content: This course starts with the biological and biomechanical considerations for dental implant placement and their imaging correlations, then discusses patient selection and the considerations for implant placement in different edentulous schemata. The imaging toolbox available for implant analysis is then described, so that clinicians are aware of their options, the pros and cons of each, and how to utilize these options for the evaluation of their planned implant site. A review of normal anatomy relevant to implants, some of the more common pathology encountered when evaluating radiographic data for implants with implant correlations is given. The imaging evaluation of alveolar process augmentation follows, to show the participant the options available once the radiographic imaging data has been determined to be within normal limits and the alveolar processes are deemed atrophic, followed by radiographic criteria of the successful and failing graft. Imaging protocols post-implant placement are discussed, as well as the radiographic appearance of implant success, wrapping up with review on the radiographic appearance of complications associated with dental implant treatment and some of the medicolegal considerations for these clinical scenarios.

**Educational Objectives:**

1. To bridge the implant treatment planning knowledge gap between the radiologist and the clinician.
2. To learn how to manipulate CBCT data for implant analysis, and know the available imaging tools and advanced modalities that help with implant treatment planning.
3. To identify relevant anatomy and pathology that may impact on implant treatment planning.
4. To understand the radiographic criteria for sufficient alveolar bone for implant placement, the augmentation procedures that can be utilized and their radiographic evaluation.
5. To learn the post-implant placement imaging protocol.

**Instructional Methods:** Classroom lecture and classroom demonstration

**Commercial Support:** None.

**Cost:** On or before August 2, 2014: $200. After August 2: $250.

**Contact Person:** Stacey Hastings Melotte, email ED@aaomr.org, telephone (217) 529-6503.

**Course Instructors:**

- Dania Tamimi:
  Dr. Dania Tamimi graduated with a dental degree from King Saud University, Riyadh, Saudi Arabia in 1999. She trained at Harvard University, School of Dental Medicine and earned a doctorate of medical science (DMSc) and certificate of fellowship in Oral and Maxillofacial Radiology in 2005. She is board certified by the American Board of Oral and Maxillofacial Radiology (ABOMR). She is a reviewer and an Editorial Board member for Oral Surgery, Oral Pathology, Oral Medicine and Oral Radiology (OOOO). She is the lead author on “Specialty Imaging: Dental Implants”, a new radiology
book that bridges the gap between the clinical implantologist and the radiologist, and a co-author on "Diagnostic Imaging, Oral and Maxillofacial". She is also Director of Education at the Institute of Advanced Maxillofacial Imaging (IAMi), the educational arm for Beamreaders, Inc. She currently runs her oral radiology private practice in Orlando, Florida.

- **Shikha Rathi:**
  Dr. Rathi attended the D.Y. Patil School of Dentistry in Mumbai, India and graduated in 2004 with a Bachelor of Dental Surgery, subsequent to which did a year of General Dentistry internship. From 2005-2007, she was involved in private practice dentistry in Mumbai. In 2007, she enrolled in a preceptorship in the Oral and Maxillofacial Radiology Program at the University of Texas Health Science Center at San Antonio. In 2008, she began a three year residency and received a certification in Oral and Maxillofacial Radiology in 2010 followed by a M.S. degree in 2011 from the same institution. Dr. Rathi is now a Diplomate of the American Board of Oral and Maxillofacial Radiology.

- **Douglas Chenin:**
  Dr. Chenin graduated from the University of the Pacific Arthur A. Dugoni School of Dentistry and practiced for several years in the San Francisco Bay Area. He then started consulting with Anatomage, the creators of the Invivo5 3D imaging software and the Anatomage Surgical Guide System. He soon became Director of Clinical Affairs for the company, working with doctors all over the world to teach them about Anatomage's 3D imaging technology. He was also instrumental in the development and initial beta testing for the Anatomage Guide system. After working with Anatomage for five years, he launched his own company called Clinically Correct Inc, which focuses on CBCT education. Through Clinically Correct, he teaches everything from basic CBCT principles to advanced hands-on software training.

- **Lisa Koenig:**
  Dr. Lisa Koenig received a BChD from the University of Leeds School of Dentistry, England, in 1975 and a DDS, magna cum laude, from Marquette University School of Dentistry (MUSoD) in 1987. She completed a graduate program in Dental Diagnostic Sciences at the University of Indiana in 1996 with additional training in radiation physics and biology at the Medical College of Wisconsin. Dr. Koenig is currently the Program Director of Oral Medicine and Oral Radiology at MUSoD where she has taught radiology to pre- and post-doctoral dental students for more than 22 years. She has served in many leadership and committee roles within the American Academy of Oral and Maxillofacial Radiology (AAOMR) and also the American Dental Education Association (ADEA). Dr. Koenig served for four years on the Committee on Dental Accreditation (CODA) Oral and Maxillofacial Radiology Review Committee and as a Consultant for CODA. She also completed a four-year term as a member of the Joint Commission on National Dental Examinations’ Oral Diagnosis Test Construction Committee in 2009. She currently serves on the Membership Committee of the Wisconsin Dental Association. Dr. Koenig has been Board-certified in Oral and Maxillofacial Radiology since 1996 and served for five years as a Director of the American Board of Oral and Maxillofacial Radiology, completing her term as President in 2009. Dr. Koenig is a frequent reviewer of several professional journals and has given many Continuing Education courses on topics related to oral and maxillofacial radiology and emerging digital technology both locally and nationally.
Mitra Sadrameli: Dr. Mitra Sadrameli received her DMD in 1992 from the University of Florida. Following graduation, she completed a one-year AEGD program at Columbia University College of Dental Medicine in New York City. She maintained a private practice in general dentistry until she returned to graduate school in 2009 to earn her certificate in Oral and Maxillofacial Radiology and Masters in Science at the University of Texas Health Science Center in San Antonio, (UTHSCSA). Dr. Sadrameli has delivered presentations nationally and internationally on 3D imaging, its influence on personal patient care including diagnosis of pathology, dental implant, surgical & prosthetic planning. She currently maintains a private practice specializing in Oral maxillofacial radiology.

Dwayne Karateew: His dental education was initiated in New York City at Columbia University, where he completed his DDS degree, which was followed with a year-long AEGD residency at the Columbia-Presbyterian Medical Center, also in New York. Dr. Karateew then attended the University of Pennsylvania in Philadelphia, where, after an additional four years, he obtained diplomas in both Periodontics and Fixed Prosthodontics. He has served as a Clinical Assistant Professor on the faculties of the University of Washington, in post-graduate Prosthodontics, and the University of British Columbia both in undergraduate Prosthodontics and post-graduate Periodontics as the Director of Implant Surgery. He is currently an invited sessional lecturer to the University of British Columbia, the University of Pennsylvania and to Columbia University. Dr. Karateew has held a position on the Executive Committee of the Canadian Academy of Restorative Dentistry and Prosthodontics. He is a member of the Editorial Board of the Canadian publication Oral Health. He has published articles in peer-reviewed journals such as The International Journal of Dental Research, The Journal of Esthetic Dentistry, The Compendium of Continuing Dental Education and Oral Health. In addition to being the principal mentor to five different study clubs throughout British Columbia, Dr. Karateew presents his original material both nationally and internationally. He is a highly sought after lecturer on dental implants and aesthetics. Past lectures include the annual meetings of the American Dental Association, Vancouver and District Dental Society, Canadian Academy of Restorative Dentistry and Prosthodontics, Iranian National Dental Congress, Iranian Academy of Periodontology, American Academy of Dental Research and for Worldwide Dental Seminars Inc., American Academy of Implant Dentistry, International Congress of Oral Implantology, Estonian National Dental Congress, Friadent Implant World Symposium and the DIO Implant World Symposium, amongst others.

Vijay Parashar:  
**Vijay P. Parashar**, BDS, MDS, DDS, is an Oral and Maxillofacial Radiologist currently working as Faculty at Midwestern University, Glendale, AZ. Prior to joining Midwestern University, Dr Parashar was the Assistant Professor of Biomedical and Diagnostic Sciences at University of Detroit Mercy in Detroit Michigan. Dr Parashar has been the winner of 2006 Howard R. Raper Oral and Maxillofacial Radiology Award given by American Academy of Oral and Maxillofacial Radiology. Dr Parashar has received Doctor of Dental Surgery (DDS) from the University of Detroit Mercy School of Dentistry, Master of Dental Science from the University of Connecticut School of Dental Medicine, Certification in Oral and Maxillofacial Radiology from the University of Connecticut.

**Refund and Cancellation Policies:**
Prior to September 13, 2014, refunds may be requested by emailing the Treasurer of the American Academy of Oral and Maxillofacial Radiology (hildeboltc@mir.wustl.edu). A full refund, less an administrative fee of $75.00, will be mailed no later than 2 weeks after the annual session. The American Academy of Oral and Maxillofacial Radiology reserves the right to limit enrollment in any course, to change the location, time, course content of faculty, or to cancel a course in the unlikely event of circumstances beyond its control. A cancellation due to medical condition will receive a refund minus a $75.00 administrative fee. Requests must be made by emailing the Treasurer of the American Academy of Oral and Maxillofacial Radiology (hildeboltc@mir.wustl.edu) prior to the start of the course.

**Location, Date, Time:** Hyatt Regency Orlando, Orlando, FL, September 27, 2014 from 9:00 AM to 1:30 PM.

**Recognition Status of Provider:** The American Academy of Oral and Maxillofacial Radiology is an ADA CERP Recognized Provider.
ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing dental education. ADA CERP does not approve or endorse individual courses or instructors, nor does it imply acceptance of credit hours by boards of dentistry.

**Number of Credits:** The American Academy of Oral and Maxillofacial Radiology designates this activity for 4 hours continuing education credits.