Annual Meeting

Celebrating Our 65th Year

"The Changing Face of Dentistry, Applications of Cone-Beam CT Imaging"

James Mah, DDS, MSc, MRCD, DMSc

WEDNESDAY, NOVEMBER 10, 2010

Union League of Philadelphia
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**Why is Cone-Beam CT imaging important in Dentistry?**

The recent availability of 3-dimensional imaging is one of the most significant advances in dentistry. Since its 2001 US introduction, cone-beam computed tomography (CBCT) technology has grown at an unprecedented rate; in recent years showing 100% growth per year. The widespread application of this technology involves every dental discipline with clear benefits both demonstrated and published. This seminar covers important topics in 3-D imaging using case studies and evidence-based findings.

Topics include:

- CBCT – A Definition
- Identifying the need for advanced imaging
- Radiation Safety
- Fundamentals of 3-D Visualization
- 3-D Modeling and the creation of Virtual Patients Ownership and Regulatory Issues

Dr. James Mah is an Associate Clinical Professor at the University of Southern California and the University of Nevada, Las Vegas. At USC he is the Director of Redmond Imaging Center and the Director of the Craniofacial Virtual Reality Laboratory. Dr. Mah obtained his Bachelor of Science, Doctorate of Dental Surgery, Master of Science degrees and his Certificate of Specialization in Orthodontics from the University of Alberta, Canada. Following he graduated from Harvard Medical School with a Doctorate of Medical Science degree and completed a Post-Doctoral Fellowship in the Department of Orthopaedics at Children’s Hospital, Boston. His current research has been focused on creating virtual 3-dimensional craniofacial patients upon which diagnosis, treatment planning and simulations can be performed.


Dr. Mah has authored over 80 publications, 4 textbooks and several book chapters.