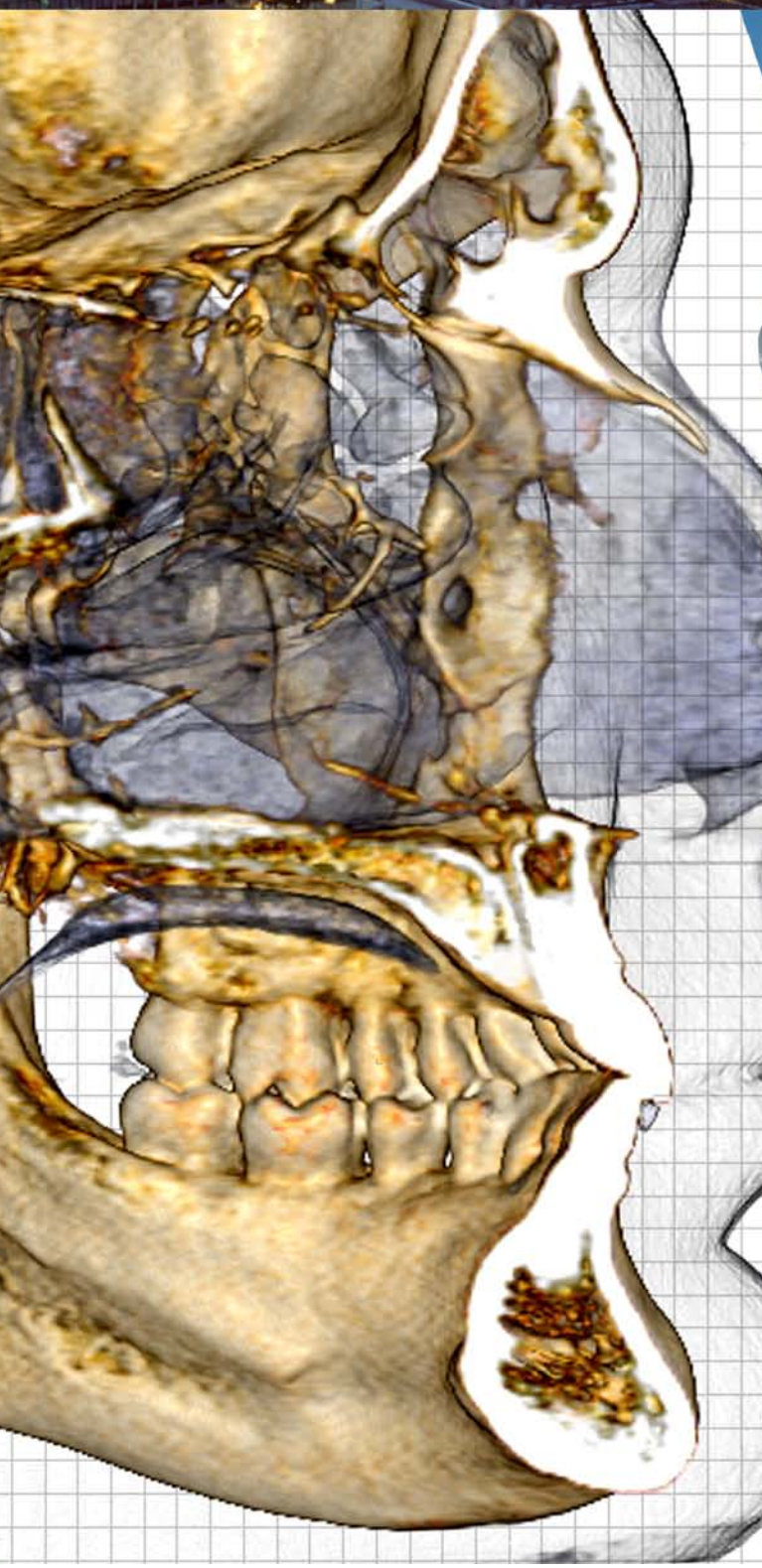
Anatomage ニュース　2010 年 3 月号

from 安永コンピュータシステム株式会社

Anatomage

Users Group Meeting

San Jose California April 9th & 10th 2010



Dear Anatomage Users,

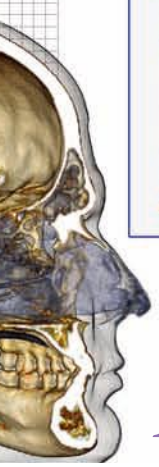
We would like to welcome everyone to our first annual Anatomage Symposium and thank all of you for your participation in this exciting event. Anatomage has achieved significant milestones over the last few years and all of you have made it possible! Your dedication towards improved patient care, better diagnosis treatment planning, and increased efficiency has helped Anatomage to deliver cutting edge software. In turn, other doctors and patients around the world have benefited from your continued support and feedback.

As you are aware, three dimensional imaging is an exciting topic and a complex subject that many clinicians have yet to apply in their practice. Our users tend to be the most advanced doctors who have the courage and the expertise to explore and apply this new clinical tool. We understand that being a pioneer requires out of the box thinking, overcoming challenges, as well as investing time and energy to achieve a higher level of quaility. It has been a pleasure to have traveled with you on this journey.

Now, as Anatomage develops new technologies and approaches another defining moment in our company's history, we are more excited than ever with the coming year and more optimistic than ever with what three dimensional imaging has to offer. We really look forward to bringing together so many wonderful and innovative doctors to share ideas at this meeting. On behalf of the entire Anatomage Team, we want you to know that we enjoy having the opportunity to personally meet each of you.

Sincerely,
Jack Choi PH.D.

CEO & Founder of Anatoamge



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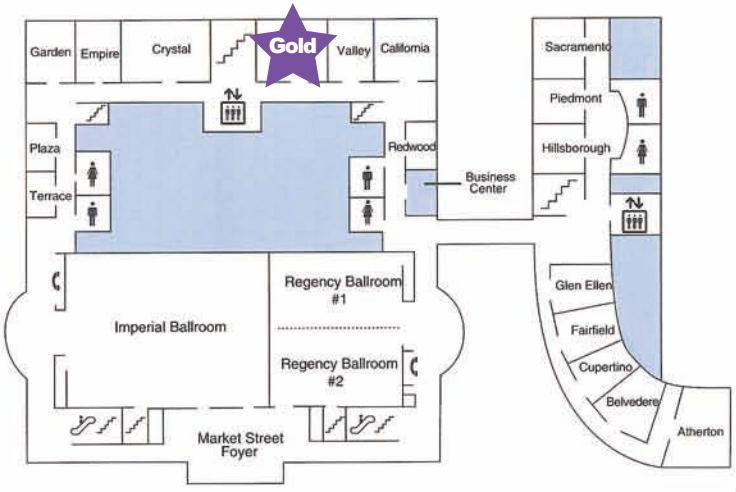
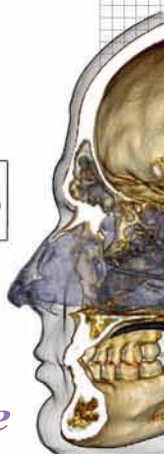
Inaugural Anatomage Users Group Meeting

Program

4/9	8 AM	Welcome and Company Introduction	Dr. Jack Choi
4/9	9 AM	3D Technology and Virtual Reality	Dr. David Hatcher
4/9	10:30 AM	Surgical Guide	Dr. Roh Hyun Ki
4/9	12 PM	Lunch Break	Crystal Room
4/9	1 PM	Advanced Applications on TMJ	Dr. Paul Mitsch
4/9	2:30 PM	Understanding Dentistry Using Virtual Reality	Dr. Paul Brown
4/9	5 PM	Cocktail Reception	Crystal Room
4/10	8 AM	Current Innovations in CBCT Imaging	Dr. Jack Choi/ Dr. Doug Chenin
4/10	9 AM	Controversies Surrounding CBCT	Dr. James Mah
4/10	10:30 AM	3D Anatomy with CBCT	Dr. Ron Auvenshine
4/10	12 PM	Lunch Break	Lounge
4/10	1 PM	Imaging Sciences International	Eric Townsend
4/10	2:30 PM	Anatomodel in Everyday Orthodontic Practice	Dr. Sean Carlson
4/10	4 PM	Question & Answer Session	Anatomage Team
4/10	5pm	Adjourn	

Fairmont Hotel, Downtown San Jose, CA
April 9th & 10th





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3D Technology and Virtual Reality

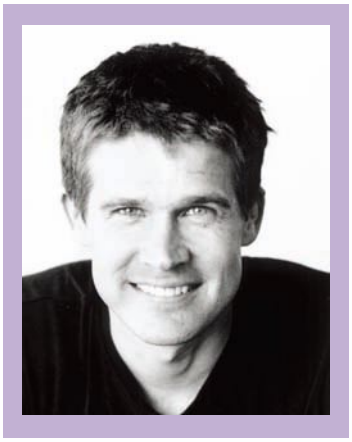
Dr. David Hatcher

Accuracy, precision, quality and simplicity are goals of diagnostic 3D surface and volumetric imaging of the face, jaws and adjacent anatomic structures. The rewards include improved diagnosis, ability to create a patient specific model, simulate treatment and improve treatment outcomes. The patient specific model can evolve to a 4D model used to evaluate change over time by fusing a timed sequence of 3D images. 4D modeling includes monitoring growth, jaw movement, and treatment outcomes. 5D modeling allows for the fusion of biomechanical attributes into the coordinate system and testing the biomechanical relationships between the structures. Information collected from the 3D, 4D and 5D models can be used for diagnostic evaluation, treatment simulation, outcomes analysis, outcome predictions and therapy. This presentation discusses 3D imaging of the maxillofacial complex, fabrication of patient specific models and selected clinical applications that add value to the image data.

Controversies Surrounding CBCT

Dr. James Mah

Cone-beam CT (CBCT) could be considered a disruptive technology in dentistry given what it offers for 3-dimensional visualization and therapeutic potential. Its use has risen dramatically over the last five years and has transcended every discipline in dentistry. However, this technology brings controversies that include:1. Real Need for CBCT 2. Radiation Dose 3. Operation of CBCT by Staff and Dentist and Certification 4. Billing for CBCT scan 5. Radiology report



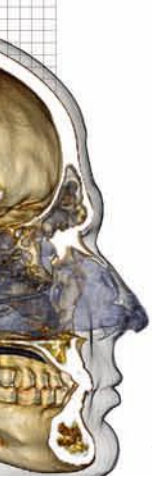
Integrating AnatoModel into Everyday Orthodontic Practice: Clinical and Technical Considerations

Dr. Sean Carlson

Are you ready to take your practice to the next level? This presentation will focus on the practical considerations of integrating Anatomodel into a modern orthodontic practice. Some technical basics of current Cone Beam scanners will be covered, as well as issues of data resolution and data export. The presentation will focus on the Anatomodel 3-D model that can be generated from the Cone Beam data, and will discuss the most efficient workflow for use in clinical practice.

Dr. Carlson will share his experience in the CBCT world from planning to financing. The complete workflow for a patient will be covered, from the clinical factors that indicate the need for a CBCT scan, to the generation of custom patient presentations that focus on specific clinical questions. The advantages and difficulties of the three-dimensional approach in diagnosis, treatment planning and patient communication will be discussed.

Surgical guide: Computer Assisted Implant Operation



Throughout the past decade, an interdisciplinary approach has been taken to determine the optimal number, position and angulation of oral implants to be inserted on the basis of clinical and radiographic data. Preoperative planning involves study casts, diagnostic wax-ups, panoramic X-rays and computed tomography (CT) scans. 3-Dimensional planning and simulation in implantology serve as excellent preoperative visualization tools regarding surgical and prosthetical aspects. Pre-surgical imaging can provide important information, and the bucco-lingual images obtained through CT can be used to more accurately plan implant placement. The location, angulations, and depths of implant sites can be determined using CT imaging findings. With further imagination and skillful use of operation technique we can overcome the difficulties that have not allowed the usage of surgical guide on unsuitable cases and broaden our extent of application.

Dr. Hyun Ki Roh

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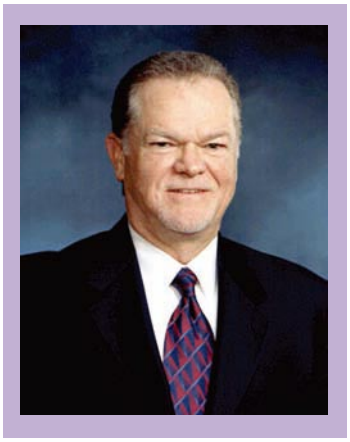
3D Anatomy with CBCT



3-D conebeam CT has increased dentistry's ability to more accurately diagnose and treatment plan patients. Initially conebeam technology was most advantageous in implant placement, tooth extraction as well as orthodontic treatment planning. When one considers 3-D anatomy of the patient, the entire dynamic of the clinician's awareness is markedly expanded. 3-D CT technology has made obsolete the use of conventional x-ray films.

This presentation will emphasize 3-D anatomy, making the clinician more aware of limiting factors to case planning so that the recommended treatment will be patient-centered and, therefore, more accurate and affordable.

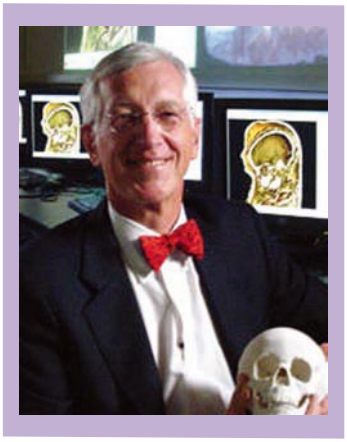
Dr. Ron Auvenshine

Advanced Applications on TMJ

Dr. Mitsch will present the contemporary view of TMJ anatomy, pathologies and discuss treatment and stabilization. His discussion will show how the field is becoming more predictable in both diagnosis and treatment because of imaging. As a Fellow in the American Academy of Craniofacial Pain, a Master with BioResearch, and an ECO member with E4D, Dr. Mitsch practices general dentistry while he and his partner, Dr. Rob Colt, treat sleep patients and craniofacial pain patients on a daily basis. Their observations have been; without these Biometrics, past treatment was mediocre compared to current results. They have used all current software in their search for a contemporary, reliable diagnostic scheme to aid their decision making and help their patients. Dr. Mitsch believes that the field of 3-D imaging will replace current 2-D radiology and is excited with 4- and 5-D imaging as he will share with you.

Dr. Paul Mitsch

Understanding Dentistry Using Virtual Reality



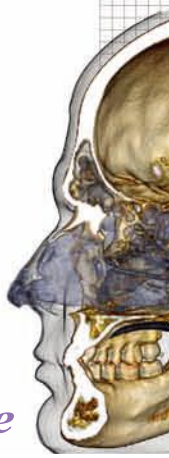
Recent advances in computing power and visualization programs are rapidly changing the culture of medical and dental education, treatment planning, patient education and patient treatment. This presentation will demonstrate several new virtual reality programs that are integrated into dental education around the globe and that can be integrated in to patient education programs.

DR. Paul Brown

Current Innovations in CBCT Imaging

The developments of CBCT imaging over the past few years have rapidly accelerated. This exciting lecture will cover a brief history of 3D imaging capabilities and will focus on the newest innovations and developments by Anatomage. The focus will be 3D cephalometric tracing and analysis with the 3D Analysis module and 3D segmentation, modeling, and STL file creation and fusion with the new Medical Design Studio module. The lecture will also touch upon topics such as 3D image layering, surgical guides, and stereolithographic manufacturing. This lecture is a must for those interested in the extent of what is possible today with CBCT imaging technology.

Dr. Doug Chenin



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3D Cephalometric Analysis for Invivo5

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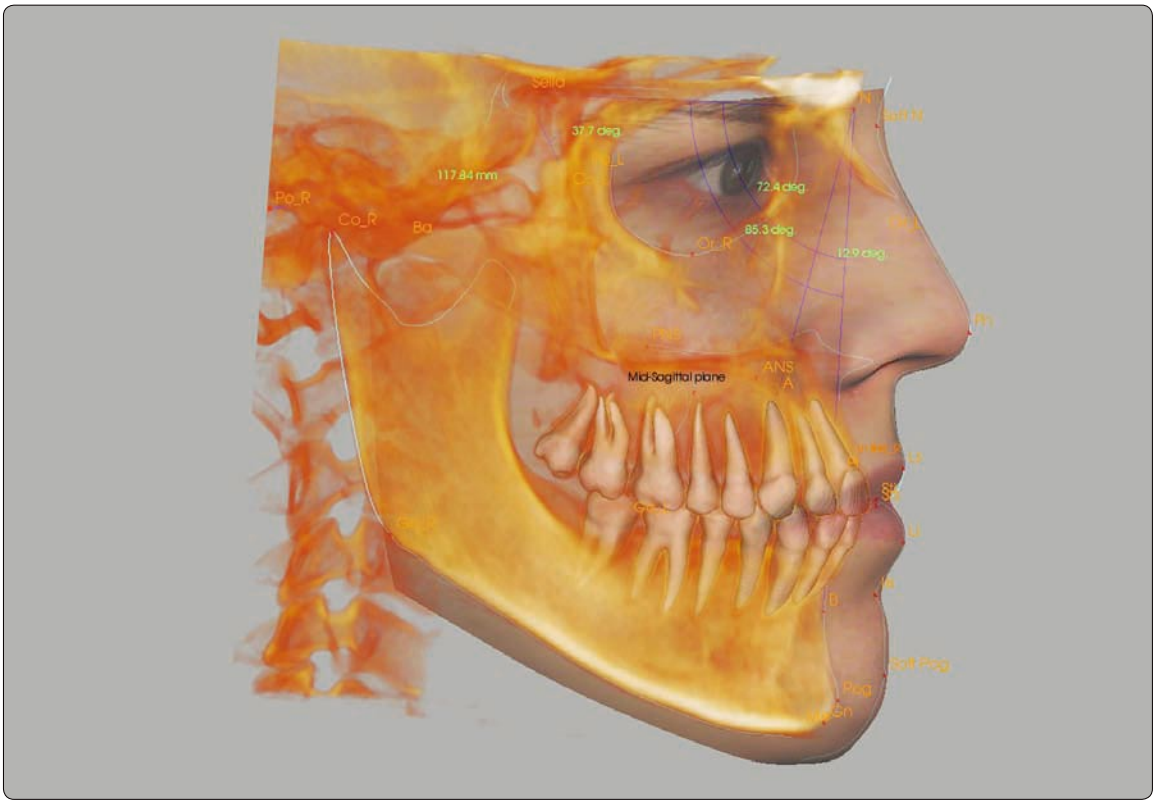

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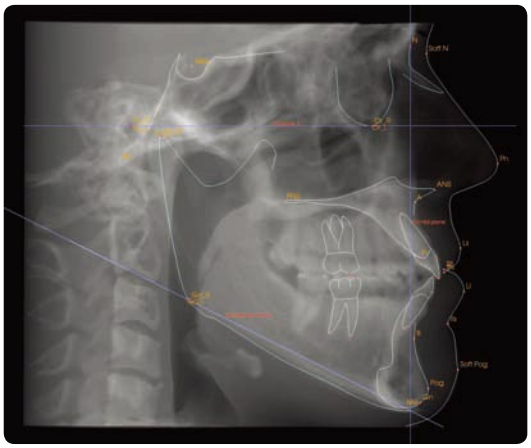

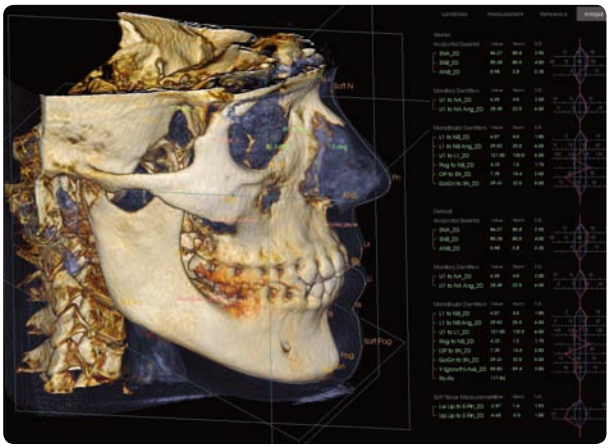

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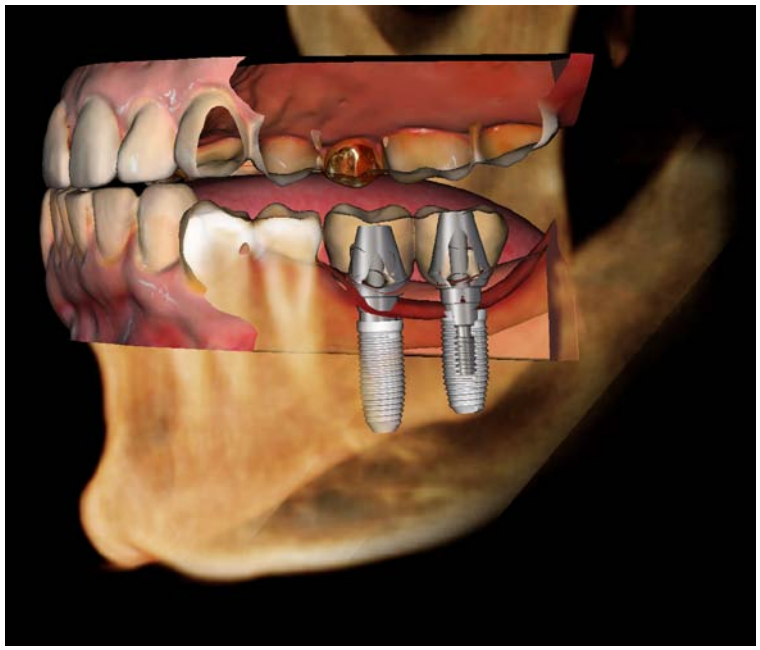

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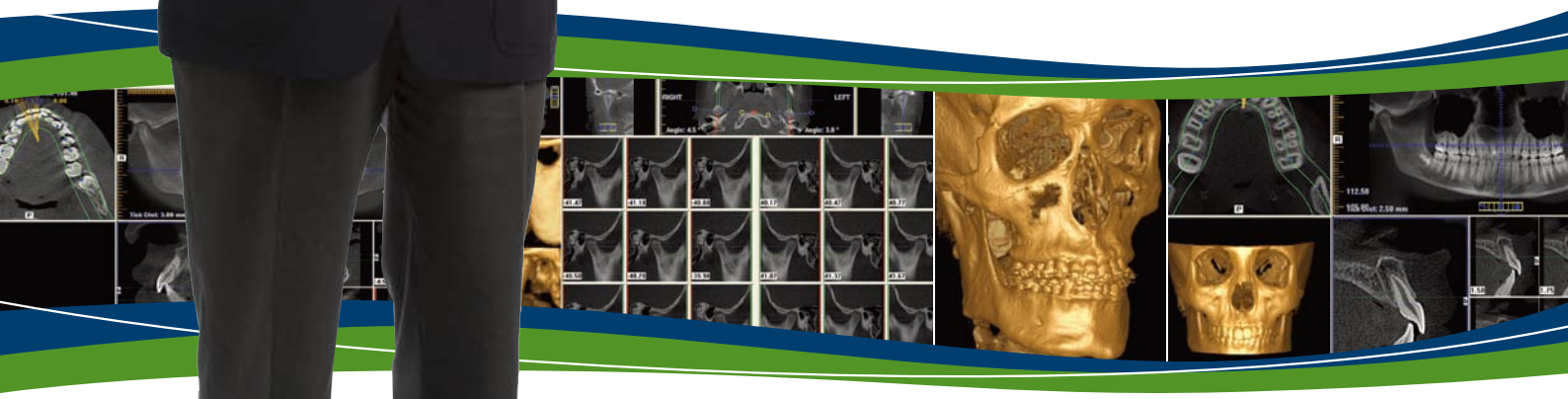

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