

Technological Advances in Head and Neck Oncology and Cranio-Maxillofacial Surgery

July 24-26, 2009

Portland, Oregon

Friday, July 24, 2009

- 7:00-7:30 am Registration
- 7:00-7:30 am **Continental Breakfast/Exhibits**
Renaissance Room
- 7:30-4:30 pm Part 1: Head and Neck Cancer Therapy**
- 7:30-9:30 am **Session 1 – Grand Ballroom**
Moderator: Eric J. Dierks, MD, DMD
- 7:30-7:40 am Opening remarks and welcome
R. Bryan Bell, MD, DDS
- 7:40-8:00 am Trends in head and neck cancer incidence and outcomes:
The impact of HPV
Neil D. Gross, MD
- 8:00-8:30 am Salivary analysis for the early detection of oral cancer
Brian L. Schmidt, DDS, MD, PhD
- 8:30-9:10 am Treatment of locally advanced stage oral cancer: Surgery versus
organ preservation strategies
Alexander D. Rapidis, MD, DDS, PhD
- 9:10-9:30 am Management of the neck in patients with head and neck
squamous cell carcinoma: how selective should we be and what is
the role of sentinel lymph node biopsy?
Peter E. Andersen, MD
- 9:30-9:50 am **Break / Exhibits**
Renaissance Room
- 9:30-10:30 am **Breakout Session – Fireside Room (2nd Floor)**
Computer planning in maxillofacial surgery
David L. Hirsch, DDS, MD
Supported by: Medical Modeling, Inc.
- 9:50-12:30 pm **Session 2 – Grand Ballroom**
Moderator: Andrew Kee, MD
- 9:50-10:30 am Enhanced tumor targeting through technology and biology
Robert L. Foote, MD

- 10:30-11:00 pm** **Breakout Session – Vault Room (2nd Floor)**
Intraoperative navigation in head and neck surgery
R. Bryan Bell, DDS, MD
Supported by: Stryker CMF / Navigation
- 10:30-11:00 am Targeted molecular therapy: current and evolving strategies
David I. Rosenthal, MD
- 11:00-11:20 am Abstract Presentation:
Nanotargeted chemotherapy in head and neck squamous cell carcinoma
Brent B. Ward, MD
- 11:20-11:40 am Reconstruction of the larynx with free flaps
Andrew Baker, MD
- 11:40-12:20 pm Pharyngoesophageal reconstruction and the management of post-radiation esophageal stricture
Keith E. Blackwell, MD
- 12:20-12:30 pm Questions / Discussion
- 12:30-1:30 pm** **Lunch / Exhibits**
Billiard Room (2nd Floor)
- 1:30-4:50 pm** **Session 3 – Grand Ballroom**
Moderator: Peter E. Andersen, MD
- 1:30-2:10 pm Transoral laser surgery for oral and oropharyngeal cancers
Richard E. Hayden, MD
- 2:10-2:30 pm Supracricoid laryngectomy for primary and persistent laryngeal cancer
Joshua S. Schindler, MD
- 2:30-3:00 pm Robotics in head and neck surgery
Paul W. Flint, MD
- 3:00-3:20 pm Abstract Presentation:
Functional outcomes following transoral robotic surgery for head and neck cancer
J. Scott Magnuson, MD
- 3:20-4:00 pm Endoscopic skull base surgery
Carl H. Snyderman, MD
- 4:00-4:40 pm Head and Neck Oncology in the 21st Century
Jatin P. Shah, MD
- 4:40-4:50 pm Questions / Discussion

8:00-8:20 am	Computer planning and the use of individualized guide stents for accurate fibular reconstruction of the mandible <i>David L. Hirsch, DDS, MD</i>
8:20-9:00 am	Contemporary reconstruction of ablative defects of the midface and mandible: optimizing functional outcomes in the technology age <i>Rainer Schmelzeisen, MD, DDS, PhD</i>
9:00-9:40 am	3D computer planning to achieve optimal implant-supported prosthetic rehabilitation following head and neck tumor ablation <i>Daniel Buchbinder, MD, DDS</i>
9:40-10:00 am	Zygomaticus implants for prosthetic rehabilitation fo maxillectomy defects <i>Eric J. Dierks, MD, DMD</i>
10:00-10:10 am	Questions / Discussion
10:10-10:30 am	Break / Exhibits <i>Renaissance Room</i>
10:30-12:30 pm	Session 6 – Grand Ballroom Moderator: Mark K. Wax, MD
10:30-11:10 am	Prefabricated flaps for maxillary and mandibular reconstruction <i>Beat Hammer, MD, DMD</i>
11:10-11:50 am	Advanced custom free flap reconstruction <i>Eduardo D. Rodriguez, MD</i>
11:50-12:30 pm	Head and neck reconstruction in the radiated, operated, vessel-depleted neck <i>Neal D. Futran, MD, DMD</i>
12:30-1:30 pm	Lunch / Exhibits <i>Billiard Room (2nd Floor)</i>
1:30-2:30 pm	Session 7 – Grand Ballroom Moderator: Neal D. Futran, MD, DMD
1:30-2:20 pm	Facial transplantation: The Cleveland experience <i>Maria Z. Siemionow, MD, PhD, DSc</i>
2:20-2:30 pm	Questions / Discussion

2:30-7:00 pm	Part 3: Reconstruction of Acquired Defects: The Orbit and Anterior Skull Base
2:30-4:50 pm	Session 8 – Grand Ballroom Moderator: R. Bryan Bell, MD, DDS
2:30-3:10 pm	Orbital reconstruction: Evolution of the current state of the art <i>Joseph S. Gruss, MD</i>
3:10-3:30 pm	Volumetric orbital assessment and guidelines for operative treatment <i>Oliver Ploder, MD, DDS, PhD</i>
3:30-4:00 pm	Custom implants and virtual reconstruction in bilateral and complex orbital injuries <i>Rainer Schmelzeisen, MD, DDS, PhD</i>
4:00-4:30 pm	Complex orbital reconstruction following tumor resection: techniques and choices of material <i>Beat Hammer, MD, DMD</i>
4:30-4:50 pm	Free flaps for reconstruction of anterior and lateral skull base defects <i>Mark K. Wax, MD</i>
4:50-5:10 pm	Break / Exhibits <i>Renaissance Room</i>
5:00-6:00 pm	Breakout Session – Chamber Room Innovative Trauma and Reconstruction Techniques <i>Rui Fernandes, DMD, MD</i> Supported by: <i>Biomet Microfixation</i>
5:10-7:00 pm	Session 9 – Grand Ballroom Moderator: Leon A. Assael, DMD
5:10-5:50 pm	Individualized approaches to the orbit and skull base: Indications for endoscopic surgery <i>E. Bradley Strong, MD</i>
5:50-6:10 pm	Endoscopic approaches to the mandibular condyle <i>Reid V. Mueller, MD</i>
6:10-6:40 pm	Modern virtual preoperative planning procedures and their surgical realization <i>Marc C. Metzger, MD, DMD</i>
6:40-7:00 pm	A technique for medial canthopexy in the management of naso-orbital ethmoidal fractures <i>Mark E. Engelstad, DDS, MD</i>
7:00 pm	Adjourn

Sunday, July 26, 2009

- 7:30-8:00 am** **Continental Breakfast / Exhibits**
Renaissance Room
- 8:00-12:00 pm** **Breakout Session – Library (2nd Floor)**
Navigation Hands-on Workshop
E. Bradley Strong, MD and Marc C. Metzger, MD, DMD
Supported by: BrainLAB
- 8:00-8:30 am Pre-Surgical Planning
E. Bradley Strong, MD
- Data acquisition and management
 - Image analysis
 - Segmentation
 - Data output
- 8:30-8:45 am Software demonstration
E. Bradley Strong, MD and Marc C. Metzger, MD, DMD
- 8:45-9:05 am Intra-operative Navigation
E. Bradley Strong, MD
- Hardware
 - Intra-operative set up
 - Registration
 - Applications
- 9:05-9:20 am Break
- 9:20-11:20 am Presurgical Planning Lab
All Faculty
- Plan #1: Orbit
 - Plan #2: Zygoma
- 11:20-11:40 am Future Technologies
Marc C. Metzger, MD, DMD
- Intra-operative CT
 - Auto-segmentation/Atlas
 - Advanced 3D/Volume rendering
- 11:40-12:00 pm Navigation Demonstration
Marc C. Metzger, MD, DMD
- 8:00-2:30 pm** **Part 4: Reconstruction of Congenital and**
Development Deformities
- 8:00-10:00 am** **Session 10 – Grand Ballroom**
Moderator: Robert W. T. Myall, BDS, FDSRCS, FRCD(C), MD
- 8:00-8:20 am Mandibular distraction osteogenesis in neonates: new
devices and guidelines for successful outcome
Anna A. Kuang, MD

- 8:20-8:30 am Abstract Presentation:
Infant mandibular distraction for treatment of obstructive sleep apnea
Brinda Thimmappa, MD
- 8:30-8:40 am Abstract Presentation:
Surgical templates and models to assist during mandibular or maxillary distraction
Sean Edwards, MD
- 8:40-9:00 am Advances in cranial vault reconstruction
Richard A. Hopper, MD
- 9:00-9:40 am The future in computer-assisted craniofacial surgery
Stephen A. Schendel, MD, DDS
- 9:40-10:00 am Tissue engineering in cranio-maxillofacial surgery
Bernard J. Costello, DMD, MD
- 10:00-10:20 am Break / Exhibits**
Renaissance Room
- 10:20-12:15 PM Session 11 – Grand Ballroom**
Moderator: Kevin Arce, DMD, MD
- 10:20-10:40 am BMP for reconstruction of mandibular continuity defects
Alan S. Herford, MD, DDS
- 10:40-11:20 am Long term results in reconstruction of severely atrophied maxilla and mandible
Rolf Ewers, MD, DMD, PhD
- 11:20-11:30 am Navigation-assisted temporomandibular joint surgery
David Hoffman, DDS
- 11:30-11:35 am Abstract Presentations:
Alveolar ridge augmentation by autogenous iliac bone grafting – a review of 43 consecutive cases
Michael Y. Chen, MD
- 11:35-12:15 pm The evolution of orthognathic surgery and the coming paradigm shift
William H. Bell, DDS
- 12:15-1:00 pm Lunch / Exhibits**
Billiard Room (2nd Floor)
- 1:00-4:30 pm Session 12 – Grand Ballroom**
Moderator: Jay Malmquist, DDS
- 1:00-1:40 pm Principles of treatment planning for facial asymmetry:

	<p>Considerations of pitch, roll and yaw <i>Timothy A. Turvey, DDS</i></p>
1:40-2:00 pm	<p>Computer-based planning for orthognathic surgery <i>Oliver Ploder, MD, DDS, PhD</i></p>
2:00-2:30 am	<p>Computer-aided surgical simulation system for treatment of craniofacial microstomia: optimizing outcomes in facial asymmetry <i>Jaime Gateno, DDS, MD</i></p>
2:30-3:00 pm	<p>Validation of computer-aided surgical simulation systems and review of natural head position <i>James J. Xia, MD, PhD</i></p>
3:00-3:40 pm	<p>Virtual planning for orthognathic surgery: How far should we go? <i>Gwen Swennen, MD, LDSO, DMD, PhD</i></p>
3:40-3:50 pm	<p>Abstract Presentation: Navigation for extraoral implant placement <i>Marianella Gonzalez, MD</i></p>
3:50-3:55 pm	<p>Abstract Presentation: A topographic study for mandibular ramus osteotomy <i>Ina P. Chang, MD</i></p>
3:55-4:00 pm	<p>Abstract Presentation: Navigation assisted intraoral ramus osteotomy <i>Moon-Key Kim, MD</i></p>
4:00-4:20 pm	<p>Questions / Discussion</p>
4:20-4:30 pm	<p>CME Credit Forms/ Evaluations</p>
4:30 pm	<p>Adjourn</p>