Watershed Achievements in Oral and Maxillofacial Surgery

Conference Program

Keynote Speakers:
- Hugo Obwegeser, MD, DMD
- Joachim Obwegeser, DMD, MD, PhD
- Edward Ellis, DDS, MS

Introductory Comments By:
- R. Bruce MacIntosh, DDS
- Bill Terry, DDS
- Frank Pavel, DDS

Scientific Chair:
- R. Bryan Bell, DDS, MD, FACS

ACOMS
The American College of Oral and Maxillofacial Surgeons
Surgical Excellence Through Education

32nd Annual Scientific Conference & Exhibition
3 - 5 April 2011
Encore at the Wynn - Las Vegas, Nevada

Featuring:
- Daniel Alam, MD, FACS
- Leon A. Assael, DMD
- William H. Bell, DDS
- Eric J. Dierks, DMD, MD, FACS
- Bruce N. Epker, DDS, MSD, PhD
- Rui Fernandes, DMD, MD, FACS
- Leonard B. Kaban, DMD, MD, FACS
- R. Bruce MacIntosh, DDS, MD, PhD
- George Obeid, DDS
- M. Anthony Pogrel, DDS, MD, FACS, FRCS
- Jeffery Posnick, DMD, MD, FRCS(C), FACS
- Ramon Ruiz, DMD, MD
- Brian L. Schmidt, DDS, MD, PhD, FACS
- Robert A. Strauss, DDS, MD
- Gilbert Triplett, DDS, PhD
- Timothy A. Turvey, DDS
- Robert TM Woodwards, MD, FRCS, FDSRCS

A Meeting Dedicated To Professor Hugo Obwegeser
Welcome to the ACOMS 32nd Annual Scientific Conference and Exhibition

Dear Colleagues and Friends:

It gives me great pleasure to welcome you to Las Vegas, Nevada for the American College of Oral and Maxillofacial Surgeons 32nd Annual Scientific Conference and Exhibition to celebrate “Watershed Achievements in Oral and Maxillofacial Surgery,” and to honor one of the specialty’s greatest champions, Professor Hugo Obwegeser.

Oral and maxillofacial surgery has experienced rapid expansion in scope and relevance during the last 100 years. Dedicated pioneers, effectual organization, and a commitment to advanced surgical and medical training have resulted in oral and maxillofacial surgeons playing a critical role in the management of craniomaxillofacial trauma, head and neck pathology, and developmental and congenital craniofacial deformities.

There is perhaps no greater “watershed” event in North American oral and maxillofacial surgery than the visit of Hugo Obwegeser to Walter Reed Hospital in 1966, during which he presented to a spellbound audience the modern techniques of orthognathic surgery. For the next 40 years, the surgical correction of dentofacial deformities captured the energy and industry of surgeons throughout the world and led, in part, to an evolution in scope of practice, from oral surgery to oral and maxillofacial surgery. In recognition of the seminal role he has played in the maturation of a new surgical subspecialty, his surgical innovations, and his indefatigable leadership, it is an honor to dedicate the ACOMS 32nd Annual Scientific Conference and Exhibition to Professor Hugo Obwegeser.

We have brought together some of the most prominent oral and maxillofacial surgeons in the world—past, present, and future—to the de-facto entertainment capital of the United States, Las Vegas. In the next three days we will:

- Define state-of-the-art therapy for current challenges in head and neck pathology, maxillofacial reconstruction surgery, orthognathic surgery, and dental implantology;
- Highlight current opportunities for the next generation of surgeons to receive advanced fellowship training; and
- Provide a forum for interested surgeons to exchange ideas and help shape the future of education within the specialty.

This year’s ACOMS annual conference provides a snapshot into the rich history and pivotal leadership that led to the current broad scope of clinical practice and scientific endeavor, and which will in turn shape the future of oral and maxillofacial surgery.

I am thrilled that you could join us in Las Vegas for a rewarding and memorable event!

Sincerely,

R. Bryan Bell, DDS, MD, FACS
Scientific Chair
ACOMS 32nd Annual Scientific Conference and Exhibition
## Schedule-At-A-Glance

### Sunday, April 3, 2011

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Location</th>
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| 6:30 a.m. – 5:30 p.m. | Registration Open  
Registration Desk 6                                                 |   |
| 7:00 a.m. – 7:30 a.m. | Continental Breakfast  
Encore Ballroom Foyer                                           |   |
| 7:30 a.m. – 11:30 a.m. | Concurrent Preconference Scientific Sessions  
**Virtual Planning in Orthognathic and Reconstructive Maxillofacial Surgery**  
Sponsored by Medical Modeling  
**Handel**  
**Advances in Orthognathic Surgery: Accelerated Osteogenic Orthodontics**  
Sponsored by Piezosurgery  
**Mozart**  
**In-Office Cone Beam Computed Tomography: Essential Technology for Oral and Maxillofacial Surgeons**  
Sponsored by Imaging Sciences International  
**Strauss**  
**Avoiding and Managing Complications of Implant Therapy in the Esthetic Zone**  
Sponsored by BioHorizons, Inc.  
**Vivaldi**                                             |   |
| 9:30 a.m. – 10:00 a.m. | Break  
Encore Ballroom Foyer                                           |   |
| 11:30 a.m. – 7:00 p.m. | Exhibit Hall Open  
Encore 4-8                                                            |   |
| 11:30 a.m. – 12:30 p.m. | Lunch in the Exhibit Hall  
Encore 4-8                                                            |   |
| 12:30 p.m. – 12:45 p.m. | Welcome and Opening Remarks                                            |   |
| 12:45 p.m. – 5:00 p.m. | Plenary Session: Pathology                                            |   |
| 12:45 p.m. – 1:45 p.m. | Parsch to Pogrel: The Evolution and Current Management of the Keratocystic Odontogenic Tumor  
Encore 1-2                                             |   |
| 1:45 p.m. – 2:45 p.m. | Understanding Oral Cancer in the Genome Era  
Encore 1-2                                                        |   |
| 2:45 p.m. – 3:15 p.m. | Break in the Exhibit Hall  
Encore 4-8                                                            |   |
| 3:15 p.m. – 4:15 p.m. | Aggressive Jaw Tumors in Children: Current Management and Future Directions  
Encore 1-2                                                        |   |
| 4:15 p.m. – 5:00 p.m. | Case Presentations and Panel Discussion  
Encore 1-2                                                            |   |
| 5:00 p.m. – 8:00 p.m. | Opening Ceremony and Welcome Reception Dedicated to  
Professor Hugo Obwegeser  
Encore 4-8                                                            |   |

ACOMS is an ADA CERP Approved provider. The ACOMS 32nd Annual Scientific Conference and Exhibition is approved for 19.75 credits of Continuing Dental Education (CDE). Pre-conference sessions are not awarded CERPs.
**Monday, April 4, 2011**

<table>
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<tr>
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<td>Registration Open</td>
<td>Registration Desk 6</td>
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<tr>
<td>7:00 a.m. – 3:30 p.m.</td>
<td>Exhibit Hall Open</td>
<td>Encore 4-8</td>
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<tr>
<td>7:00 a.m. – 9:00 a.m.</td>
<td>Continental Breakfast in the Exhibit Hall</td>
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<td>Encore 1-2</td>
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<td>Plenary Session: Reconstruction</td>
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<td>1:30 p.m. – 6:00 p.m.</td>
<td>Plenary Session: Orthognathic Surgery</td>
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<td>Asymmetries of the Facial Skeleton: Recommendations for Surgical Treatment Based upon a Lifetime of Experience and Innovation</td>
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| 7:00 a.m. – 12:00 p.m. | Registration Open  
*Registration Desk 6*                                                                                     |
| 7:00 a.m. – 12:45 p.m. | Exhibit Hall Open  
*Encore 4-8*                                                                                                    |
| 7:00 a.m. – 8:00 a.m. | Continental Breakfast in the Exhibit Hall  
*Encore 4-8*                                                                                                      |
| 7:00 a.m. – 8:00 a.m. | Resident Abstract Competition: Second Oral Abstract Session  
*Encore 1-2*                                                                                                     |
| 8:00 a.m. – 11:45 a.m. | Plenary Session: Training the Next Generation of North American Oral and Maxillofacial Surgeons                      |
| 8:00 a.m. – 8:30 a.m. | Cranio-Maxillofacial Trauma and Free Tissue Transfer: Why the Next Generation of N. A. Oral and Maxillofacial Surgeons Should Be Trained in Microvascular Surgery  
*Encore 1-2*                                                                                                     |
| 8:30 a.m. – 9:00 a.m. | The Role of the Oral and Maxillofacial Surgeon in Pediatric Cleft and Craniofacial Surgery: Avenues for Training and Program Development  
*Encore 1-2*                                                                                                     |
| 9:00 a.m. – 9:30 a.m. | Head and Neck Oncology and Microvascular Surgery Fellowships: A Watershed Development in U.S. Oral and Maxillofacial Surgery  
*Encore 1-2*                                                                                                     |
| 9:30 a.m. – 10:00 a.m. | Break in the Exhibit Hall  
*Encore 4-8*                                                                                                      |
| 10:00 a.m. – 10:30 a.m. | The Third Rail: Fellowships, Medical Training, and the Future of Oral and Maxillofacial Surgery  
*Encore 1-2*                                                                                                     |
| 10:30 a.m. – 11:15 a.m. | Oral and Maxillofacial Training in the UK: Trick or Treat  
*Encore 1-2*                                                                                                     |
| 11:15 a.m. – 11:45 a.m. | Panel Discussion and Questions  
*Encore 1-2*                                                                                                     |
| 11:45 a.m. – 12:45 p.m. | Lunch in the Exhibit Hall  
*Encore 4-8*                                                                                                     |
| 12:45 p.m. – 1:15 p.m. | State of the College Address and Awards  
*Encore 1-2*                                                                                                     |
| 1:15 p.m. – 2:00 p.m. | Kurt H. Thoma Lecture - Maxillofacial Trauma: Global Trends  
*Encore 1-2*                                                                                                     |
| 2:00 p.m. – 3:30 p.m. | Plenary Session: Implantology                                                                                      |
| 2:00 p.m. – 2:45 p.m. | Tissue Engineering in Oral and Maxillofacial Surgery: BMP-2 and Beyond  
*Encore 1-2*                                                                                                     |
| 2:45 p.m. – 3:30 p.m. | Facial Transplantation  
*Encore 1-2*                                                                                                     |
| 3:30 p.m. | Conference Adjourns                                                                                               |
During this session, participants will learn to use the AOO technique for rapid set-up of selected orthognathic surgery cases, understand the difference between bone block surgeries and the regional accelerated phenomenon (RAP) osteotomies employed in AOO. The session will help demonstrate how to maximize the communication between maxillofacial surgeons and orthodontists in treating dento-facial deformities.

**In-Office Cone Beam Computed Tomography: Essential Technology for Oral and Maxillofacial Surgeons**  
Sponsored by Imaging Sciences International  
*Dr. Steven A. Guttenberg*  
*Strauss*

Oral and maxillofacial surgeons must have a good understanding of the anatomy of the jaws prior to treating acquired or congenital tooth loss, dental and osseous pathology and trauma, as well as orthognathic deformities and skeletally based sleep disease. Cone Beam Computed Tomography (CBCT) offers a three-dimensional view of the maxilla and mandible to see more diagnostic information prior to surgery. This session will help demonstrate how the successful utilization of the CBCT can be beneficial for nearly all aspects of a full scope oral and maxillofacial surgery practice.

**Avoiding and Managing Complications of Implant Therapy in the Esthetic Zone**  
Sponsored by BioHorizons, Inc.  
*Dr. Bach Le*  
*Vivaldi*

Many variables influence the implant treatment outcomes in the esthetic zone. Patient factors such as periodontal biotype and tissue display are critical in determining the potential for success when treating patients with implant dentistry. Additional considerations, including implant choice, surgical design and restorative design, are among other critical factors that are in the control of the treating dentist. This session will demonstrate how to successfully incorporate implant therapy in the esthetic zone with a broader understanding of the risks and how to avoid them. A series of cases have been gathered to illustrate risk assessment and predictable management of implant treatment in the esthetic zone.
11:30 a.m. – 12:30 p.m.
Lunch in the Exhibit Hall
*Encore 4-8*

12:30 p.m. – 12:45 p.m.
Welcome and Opening Remarks
*Encore 1-2*

12:45 p.m. – 5:00 p.m.
PLENARY SESSION: PATHOLOGY
*Dr. Eric J. Dierks, Moderator*

12:45 p.m. – 1:45 p.m.
**Parsch to Pogrel: The Evolution and Current Management of the Keratocystic Odontogenic Tumor (Formerly Known as Odontogenic Keratocyst)**
*Dr. M. Anthony Pogrel*
*Encore 1-2*

This session will discuss the evolution of our understanding of odontogenic cysts, and, in particular, the lesion now known as the keratocystic odontogenic tumor. The different treatment options now available for the management of this lesion will be discussed with the advantages and disadvantages of each.

1:45 p.m. – 2:45 p.m.
**Understanding Oral Cancer in the Genome Era**
*Dr. Brian L. Schmidt*
*Encore 1-2*

This session will discuss why oral cancer has proven to be more elusive and complex than expected and why genomics has not led to a cure. It will present the modest headway made in predicting cancer behavior with genomics and show how this knowledge has impacted our understanding of the key elements of oral carcinogenesis. This session will discuss how technologic advances might hold promise for improving oral cancer patient survival and quality of life.

2:45 p.m. – 3:15 p.m.
Break in the Exhibit Hall
*Encore 4-8*

3:15 p.m. – 4:15 p.m.
**Aggressive Jaw Tumors in Children: Current Management and Future Directions**

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*Dr. Leonard B. Kaban*
*Encore 1-2*

This session will display a retrospective review of 109 primary aggressive jaw tumors in 102 children over an 18-year period. These were predominantly “benign,” nonodontogenic, mesenchymal tumors. Participants will be able to learn that clinical behavior usually did not correspond to the “benign” histologic patterns. Aggressive tumors displayed rapid growth, large size and high recurrence rates. En bloc resection rather than curettage is appropriate therapy for these tumors.

4:15 p.m. – 5:00 p.m.
**Case Presentations and Panel Discussion**
*Dr. Rui Fernandes, Dr. Leonard B. Kaban, Dr. M. Anthony Pogrel, Dr. Brian L. Schmidt*
*Encore 1-2*

5:00 p.m. – 8:00 p.m.
Opening Ceremony and Welcome Reception
(Dedicated to Prof. Hugo Obwegeser)
*Introductory remarks by friends, colleagues, and dignitaries from around the world.*

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**Monday, April 4, 2011**

7:30 a.m. – 9:00 a.m.
Continental Breakfast in the Exhibit Hall
*Encore 4-8*

7:30 a.m. – 9:00 a.m.
**Resident Abstract Competition: First Oral Abstract Session**
*Encore 1-2*

9:00 a.m. – 12:30 p.m.
PLENARY SESSION: RECONSTRUCTION
*Dr. R. Bruce MacIntosh, Moderator*

9:00 a.m. – 11:00 a.m.
**KEYNOTE: Evolution and Current State-of-the-Art of Maxillary and Mandibular Reconstruction**
*Professor Joachim Obwegeser*
*Encore 1-2*

Professor J. Obwegeser will review the current state-of-the-art of maxillary and mandibular reconstruction. He
will highlight the indications and outcomes for microvascular free tissue transfer in both the maxilla and mandible; the role of non-vascularized bone grafting in mandibular reconstruction; implant-supported prosthetic rehabilitation of acquired maxillary and mandibular defects; and describe the future of tissue engineering in craniomaxillofacial surgery.

11:00 a.m. – 11:30 a.m.
Break in Exhibit Hall and Resident Abstract Competition: First Poster Abstract Session
Encore 4-8

11:30 a.m. – 12:30 p.m.
The Contributions of North American Oral and Maxillofacial Surgeons to Cleft and Craniofacial Surgery
Dr. Timothy A. Turvey
Encore 1-2

American Oral and Maxillofacial Surgeons have contributed to the development and advancement of cleft and craniofacial surgery. Walker, Boyne, Lyons, Henny, Epker, Ballenger, Bell, Waite, to name a few, made early and remarkable contributions to these important surgical fields. After the early contributions, others, such as Hall, Fonseca, Precious, El Deeb, Posnick, and Schendel, spearheaded efforts to improve the Oral and Maxillofacial Surgery presence in very important ways. This session will highlight the contributions of multiple North American Oral and Maxillofacial Surgeons to cleft and craniofacial surgery.

12:30 p.m. – 1:30 p.m.
Lunch in the Exhibit Hall
Encore 4-8

1:30 p.m. – 6:00 p.m.
PLENARY SESSION: ORTHOGNATHIC SURGERY
Dr. Bruce N. Epker, Moderator

1:30 p.m. – 3:00 p.m.
KEYNOTE: Asymmetries of the Facial Skeleton: Recommendations for Surgical Treatment Based upon a Lifetime of Experience and Innovation
Professor Hugo Obwegeser
Encore 1-2

Professor Obwegeser will review his perspective on the diagnosis and management of facial asymmetry, highlighting a 60-year career in treatment of congenital, developmental and acquired craniomaxillofacial deformities. He will discuss innovative approaches towards optimizing outcomes, speculate on future therapeutic modalities, and describe his vision for oral and maxillofacial surgery over the next century.

3:00 p.m. – 3:30 p.m.
Break in Exhibit Hall and Resident Abstract Competition: Second Poster Abstract Session
Encore 4-8

3:30 p.m. – 4:15 p.m.
Achieving Optimal Facial Esthetics in the Orthognathic Surgery Patient
Dr. Jeffrey Posnick
Encore 1-2

Adult orthognathic surgery patients (> 40 years) present with the same dentofacial deformities as their adolescent counterparts. Their concerns and physical findings may have progressed: from need to correct the occlusion to resolving complex dental rehabilitative issues; from difficulty breathing through the nose to resolving obstructive sleep apnea; and from reconstruction of the jaws to achieving facial rejuvenation. This session will discuss the importance of evaluating and clarifying objectives prior to undertaking orthodontics and orthognathic surgery in adults. There are no shortcuts to thorough patient education and comprehensive care every step of the way.

4:15 p.m. – 5:00 p.m.
The Evolution of Maxillary Orthognathic Surgery Techniques
Dr. William H. Bell
Encore 1-2

Dr. William Bell will present his personal 50-year perspective on the evolution of orthognathic surgery in general and maxillary orthognathic surgery in particular. He will review the current trends in the treatment of dentofacial deformities and outline his vision of the coming "paradigm shift," which incorporates rapid
orthodontics, outpatient orthognathic surgery, and computer planning to achieve greater treatment efficiency.

5:00 p.m. – 6:00 p.m.
Case Presentations and Panel Discussion
Dr. R. Bryan Bell, Dr. William H. Bell, Dr. Bruce N. Epker, Professor Hugo Obwegeser, Professor Joachim Obwegeser, Dr. Jeffery Posnick
Encore 1-2

TUESDAY, APRIL 5, 2011

7:00 a.m. – 8:00 a.m.
Continental Breakfast in the Exhibit Hall
Encore 4-8

7:00 a.m. – 8:00 a.m.
Resident Abstract Competition: Second Oral Abstract Session
Encore 1-2

8:00 a.m. – 11:45 a.m.
PLENARY SESSION: TRAINING THE NEXT GENERATION OF NORTH AMERICAN ORAL AND MAXILLOFACIAL SURGEONS
Dr. Robert A. Strauss, Moderator

8:00 a.m. – 8:30 a.m.
Cranio-Maxillofacial Trauma and Free Tissue Transfer: Why the Next Generation of North American Oral and Maxillofacial Surgeons Should Be Trained in Microvascular Surgery
Dr. Rui Fernandes
Encore 1-2

This session will describe the current training in OMS within the United States and abroad, the scope of practice in academic medical center and the microvascular training for OMS. The session will also provide an overview of the OMS-microvascular surgeon within the medical center.

8:30 a.m. – 9:00 a.m.
The Role of the Oral and Maxillofacial Surgeon in Pediatric Cleft and Craniofacial Surgery: Avenues for Training and Program Development

Dr. Ramon Ruiz
Encore 1-2

This session will describe the role of the oral and maxillofacial surgeon in the comprehensive care of the pediatric patient with cleft and craniofacial disorders. Contemporary techniques for the management of cleft lip and palate, non-syndromic craniosynostosis, and craniofacial dysostosis will be reviewed. Currently available opportunities for young oral and maxillofacial surgeons to receive fellowship training in pediatric cleft and craniofacial surgery will be highlighted.

9:00 a.m. – 9:30 a.m.
Head and Neck Oncology and Microvascular Surgery Fellowships: A Watershed Development in U.S. Oral and Maxillofacial Surgery
Dr. Eric J. Dierks
Encore 1-2

This session will describe the coalescence of factors and individuals that resulted in the availability of post-residency fellowship opportunities for motivated American OMS. Although a minority of American OMS pursue oncologic and microvascular training, their presence has forever changed the specialty.

9:30 a.m. – 10:00 a.m.
Break in the Exhibit Hall
Encore 4-8

10:00 a.m. – 10:30 a.m.
The Third Rail: Fellowships, Medical Training, and the Future of Oral and Maxillofacial Surgery
Dr. Leon A. Assael
Encore 1-2

The current status of training puts roughly half of trainees in single-degree programs and half in double-degree programs. This will create a status of a cleanly divided educational model for the entering generation of oral and maxillofacial surgeons. Changes in dental education have decreased the biomedical and university status of dentistry. OMS education must change in response to this environment. This session will discuss ideas on the improvement of the specialty in the future through acceptance of a universal educational model.
10:30 a.m. – 11:15 a.m.
Oral and Maxillofacial Training in the United Kingdom: Trick or Treat
Dr. Robert TM Woodwards
Encore 1-2

This session will review the environment, both political and professional, in which surgical training is delivered in the UK. Has the process materially improved on training in the past? What does modern IT hold for surgical training in the future?

11:15 a.m. – 11:45 a.m.
Panel Discussion and Questions
Dr. Leon A. Assael, Dr. Eric J. Dierks, Dr. Rui Fernandes, Dr. Jeffrey Posnick, Dr. Ramon Ruiz, Dr. Robert TM Woodwards
Encore 1-2

11:45 a.m. - 12:45 p.m.
Lunch in the Exhibit Hall
Encore 4-8

12:45 p.m. – 1:15 p.m.
State of the College Address and Awards
Dr. Joel Rosenlicht, ACOMS President
Encore 1-2

1:15 p.m. – 2:00 p.m.
KEYNOTE: Kurt H. Thoma Lecture
Maxillofacial Trauma: Global Trends
Dr. Edward Ellis, W. Harry Archer Award Winner
Encore 1-2

The training of oral and maxillofacial surgeons makes them uniquely qualified to manage facial injuries. However, several external factors make the future of trauma management less certain. This session will discuss the mal-distribution of traumatic facial injuries throughout the world and the effect this has on the training and experience of surgeons in the United States and other developed countries.

2:00 p.m. – 3:30 p.m.
PLENARY SESSION: IMPLANTOLOGY
Dr. George Obeid, Moderator

2:00 p.m. – 2:45 p.m.
Tissue Engineering in Oral and Maxillofacial Surgery: BMP-2 and Beyond
Dr. Gilbert Triplett
Encore 1-2

This session will present data to support the use of recombinant bone Morphogenetic Protein-2 for lifting the maxillary sinus floor as an alternative to an autograft. Dr. Triplett will provide data comparing long-term functional loading and evidence that the rhEMP–2 induced bone was as effective as the autograft in forming bone and supporting functional loading.

2:45 p.m. – 3:30 p.m.
Facial Transplantation
Dr. Daniel Alam
Encore 1-2

This session encompasses a brief history of the concept of Face/Hand Allograft Transplants and some of the early groundbreaking research by Lab Researchers like Maria Siemionow. It also discusses the ethics of this type of surgery and the implications it has in terms of our view of these patients. Finally, the session will detail the planning and preparation of the first Facial Transplant surgery, with a visual set of images depicting how this surgery was performed and the short- and long-term results.

3:30 p.m.
Conference Adjourns
In June 1966, at a time when the specialty was struggling to find relevance and identity, American oral and maxillofacial surgery was revitalized by a surgeon from Switzerland and a series of lectures at Walter Reed Army Medical Center. Hugo Obwegeser’s description of what is now known as orthognathic surgery captivated the industry and imagination of an entire generation of American oral and maxillofacial surgeons, and his visit to America more than 40 years ago is arguably the single most important watershed event in the history of oral and maxillofacial surgery in the United States.

The ACOMS 32nd Annual Scientific Conference and Exhibition, “Watershed Events in Oral and Maxillofacial Surgery: Celebrating the Past—Embracing the Future” is aptly dedicated to Professor Hugo Obwegeser, MD, DMD, a man of energy and independence.

As described by his long-time friend and colleague, Dr. Bruce MacIntosh:

_Hugo Obwegeser… remains today an example of the complete professional man. The energies that carried him from simple Alpine beginnings through his early stringent and self-sacrificing days of professional life following the Second World War, and then through the halcyon days of his extraordinary clinical and educational career, support him still in his afterglow activities. Now 90 years old, he remains an active hunter and outdoorsman, a dedicated internationalist, a congenial bon vivant in any social group, and always a man ready to wrestle intellectually with any challenger in matters of surgery or specialty education. Beyond his early years, he was not a researcher, but he has always registered strong support for hard scientific investigation. He remains consistently “his own man,” but, on demand, can become the astute politician and effective organizational animal. He remains true to his roots, delights in being an excellent family man, but all the time maintains a world view and variegated interests._

_Every avenue of endeavor honors its forebears, and Hugo Obwegeser has harvested accolades from surgical groups from every point on the compass…. He was not the first influence from abroad to indelibly brand the American specialty—Kazanjian and Thoma are others who come to mind—but his journey to our shores buoyed, and perhaps saved, the American specialty at a time of its great vulnerability. Hugo Obwegeser was truly the wind beneath our wings. He was and remains, quite manifestly, the most influential oral and maxillofacial surgeon of our time. (Excerpt from Hugo Obwegeser: Forty years later. NYSDJ, Nov, 2005.)_
2011 W. Harry Archer Award Winner: Edward Ellis, DDS, MS

W. Harry Archer was a trailblazer for oral and maxillofacial surgery who helped to define the specialty by studying and presenting it in the scientific literature. The W. Harry Archer Award was established by ACOMS to recognize both the achievements of individual oral and maxillofacial surgeons and to recognize the contributions to the specialty by Dr. Archer. It is fitting, therefore, that the 2011 Archer Award is given to Dr. Ellis, who has himself elucidated much of our current understanding of maxillofacial surgical outcomes through application of the scientific method.

Dr. Edward Ellis—renowned surgeon, researcher and educator—is the recipient of the 2011 W. Harry Archer Award. For the past 25 years, Dr. Ellis has fostered his clinical interests in maxillofacial traumatology, dentofacial deformities and dental implantology into a body of scientific literature that has shaped and reshaped the way surgeons practice today, in the United States and all over the globe. His indelible contributions to the science of oral and maxillofacial surgery are manifested in the four textbooks, 40 chapters, 80 abstracts, and more than 100 peer-reviewed manuscripts.

Currently, Dr. Ellis is Professor and Chair of the Department of Oral and Maxillofacial Surgery at The University of Texas Health Science Center at San Antonio, Texas, where he also serves as the Director of the Oral and Maxillofacial Surgery residency program. A past president of the American Board of Oral and Maxillofacial Surgery, he continues to serve in leadership roles for numerous national and international organizations, editorial review boards, and educational forums.

Dr. Ellis received the Daniel M. Laskin Award twice for his contributions to scientific literature that were published in the Journal of Oral and Maxillofacial Surgery, and he was awarded the American Association of Oral and Maxillofacial Surgeon’s Research Recognition Award in 1997. His influence on the specialty has transcended the treatment paradigms of virtually every oral and maxillofacial training program in the United States and resulted, in part, to his receiving the William J. Gies Foundation for the Advancement of Dentistry Award and his election into the Royal College of Surgeons of England.

Past recipients of the W. Harry Archer Award:

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
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<tbody>
<tr>
<td>2010</td>
<td>Dr. Raymond Fonseca</td>
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<tr>
<td>2009</td>
<td>Dr. Timothy Turvey</td>
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<tr>
<td>2008</td>
<td>Dr. Ray White</td>
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<tr>
<td>2007</td>
<td>Dr. Michael Block</td>
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<td>2006</td>
<td>Dr. R. Bruce McIntosh</td>
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<td>2005</td>
<td>Dr. David Precious</td>
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<tr>
<td>2004</td>
<td>Dr. Edela Puricelli</td>
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<tr>
<td>2004</td>
<td>Dr. Antenor Araujo (jointly)</td>
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<td>2002</td>
<td>Dr. John Kent</td>
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<td>2001</td>
<td>Dr. James Bertz</td>
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<td>2000</td>
<td>Professor Jean Delaire</td>
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<td>1999</td>
<td>Dr. Robert Marx</td>
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<td>1998</td>
<td>Dr. Rolf Ewers</td>
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<td>1997</td>
<td>Dr. William Bell</td>
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<tr>
<td>1996</td>
<td>Dr. Alex Mohnac</td>
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<tr>
<td>1995</td>
<td>Dr. Stuart Kline</td>
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<tr>
<td>1994</td>
<td>Dr. James Bauerle</td>
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<td>1993</td>
<td>Professor Hugo Obwegeser</td>
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<td>1991</td>
<td>Dr. Philip Boyne</td>
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<td>1990</td>
<td>Dr. Robert Shira</td>
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<td>1988</td>
<td>Dr. Robert Walker</td>
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<td>1987</td>
<td>Dr. Harold Zubrow</td>
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<td>1986</td>
<td>Dr. Fred Henny</td>
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<td>1985</td>
<td>Dr. Bruce Epker</td>
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<td>1984</td>
<td>Dr. Daniel Laskin</td>
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<td>1983</td>
<td>Dr. Herbert Bloom</td>
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<tr>
<td>1983</td>
<td>Dr. Irvin Uhler (jointly)</td>
</tr>
</tbody>
</table>

Edward Ellis, DDS, MS
"i-CAT® is essential in my practice for implant site evaluation, dentoalveolar surgery, evaluation and treatment of pathology, trauma, orthognathic surgery, TMJ, and airway disorders. CBCT offers a three-dimensional view of the maxilla and mandible to see and better comprehend critical diagnostic information prior to surgery."

Dr. Steven A. Guttenberg, DDS, MD
Washington, DC

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custom pre-surgical planning models

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Using only 2D, this patient's dentist suspected there may be resorption of the maxillary laterals. After a 3D scan, the image clearly revealed not only resorption on the laterals, but the right central as well.

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NewTom

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Stop by table 17 to learn more

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914.592.6100
Anatomage

Table #3

Anatomage is a complete 3D dental software, services, and solutions company. With the Invivo5 software, doctors can easily diagnose and treatment plan both orthodontic and orthognathic cases. Anatomage provides printouts of physical models from the CT scan. Anatomage is also excited to be launching a new automatic airway analysis tool.

AxoGen, Inc.

Table #41

AxoGen offers innovative solutions for peripheral nerve repair, including: Avance® Nerve Graft, the first and only commercially available allograft tissue for bridging nerve discontinuities; AxoGuard® Nerve Protector, a nerve wrap for protecting peripheral nerves; and AxoGuard® Nerve Connector, a nerve conduit for approximating severed nerve ends.

BioHorizons

Table #46

BioHorizons is one of the fastest growing companies in the dental implant industry. Their comprehensive portfolio of dental implants and biologics products is evidence-based and scientifically-proven. Their combination of advanced implant technologies, biologics products and computer guided surgery software has enabled BioHorizons to provide comprehensive solutions for both patients and clinicians.

Biomet Microfixation

Table #21

Biomet Microfixation is a leading developer and manufacturer of advanced craniomaxillofacial products. Innovative products include the TraumaOne facial fracture fixation and reconstruction system and the TMJ OnPoint 1.2mm Scope System. Other products include the TMJ Joint Replacement System, LactoSorb®, Distraction Devices, bone replacement systems, plus a full armamentarium of Fixation Systems and Instrumentation. www.biometmicrofixation.com

Carestream Dental/Kodak Dental Systems

Table #23

Focus on your patients and growing your practice with solutions from Carestream Dental LLC, exclusive manufacturer of Kodak Dental Systems. They provide a complete solution set consisting of practice management, digital imaging and 3D solutions for OMS practices.
**Dolphin Imaging & Management Solutions**  
*Table #27*

Dolphin provides high-quality imaging, diagnostic, and case presentation software. User-friendly programs include: 3D facial/implant planning, digital photo management, ceph analysis, and orthognathic surgery simulation. Dolphin products tightly integrate with most OMS practice management systems, digital x-ray units, CBCT systems, telephonic solutions and Web-enabled applications. Backed by 24/7 tech support.

**Ellman International**  
*Table #29*

Ellman International, a worldwide leader and manufacturer of high frequency radiosurgical equipment, presents the Surgitron IEC Dual Frequency. This device utilizes 4.0 MHz for cut, blend, and coag. Bipolar utilizes 1.7 MHz. It provides pressureless incisions with minimal tissue alteration, superior biopsy specimens and excellent cosmetic results. Please visit the Ellman booth for a demonstration on how radiosurgery can benefit your practice.

**Elsevier, Inc.**  
*Table #2*

Saunders, Mosby, Churchill, Livingstone, Butterworth Heinemann and Hanley Belfus, a combined premier worldwide health science publishing company, now under the umbrella of Elsevier, Inc., proudly presents the latest titles. Browse through the complete selection of publications including books, periodicals and software. Elsevier, Inc., building insights, breaking boundaries.

**Harvest Technologies Corp.**  
*Table #30*

Harvest manufactures the SmartPReP® 2 Platelet Concentrate System. SmartPReP® is designed for rapid, point-of-care preparation of Platelet Rich Plasma (PRP). In minutes, SmartPReP® produces a predictable Autologous Platelet Concentrate (APC+) enriched with multiple Growth Factors. It is the first system cleared for use in bone grafting procedures and starts with as little as 20ccs of patient blood.

**Imaging Sciences International**  
*Table #15*

Imaging Sciences is at the global forefront in Cone Beam 3-D imaging technology with the i-CAT® that offers enhancements for effective treatment planning and surgical predictability: fastest scan/reconstruction rates; ability to capture 6 scan sizes, full skull to single arch; shareable i-CATVision™ software; plus compatibility with major 3-D planning programs.

**KLS Martin**  
*Table #5-6*

KLS Martin is a company dedicated to providing innovative medical devices and power systems for craniomaxillofacial surgery. The company's rich history began with surgical instrument production in Tuttlingen, Germany in 1896 and continued with miniplate production in 1975. KLS Martin has advanced the capabilities of distraction osteogenesis, and revolutionized resorbable fixation with the SonicWeld Rx system.

**Medical Modeling Inc.**  
*Table #14*

Medical Modeling specializes in providing custom anatomical models produced from your patient’s CT or CBCT scan. Their ClearView® and OsteoView® products are the industry standard. Learn more about the VSP® (Virtual Surgical Planning) products to facilitate reconstructive, orthognathic, distraction and other procedures by combining computer planning with innovative, custom templates.

**Medical Protective**  
*Table #4*

Since 1899, Medical Protective has been the nation’s leader in dental professional liability. As a Warren Buffett Berkshire Hathaway Company, Medical Protective offers healthcare providers four levels of unmatched protection—strength, defense, solutions, since 1899. For more information, visit www.medpro.com or call 800-4MEDPRO.

**Neoss**  
*Table #22*

The Neoss Implant System provides a simple, easy to use means of anchorage for a single crown, bridge or denture thereby satisfying a wide range of aesthetic and functional requirements. All Neoss implants except ω3.25mm have a single abutment connection, simplifying the restorative phase, inventory and instrument requirements.

**NewTom (ImageWorks)**  
*Table #17*

Only NewTom Cone Beam 3D units utilize Safe Beam™ technology, automatically customizing radiation dosage.
specific to the patient’s size. NewTom VGi and the mobile NewTom VGi Flex feature a large field of view (15cm x 15cm), capturing a full volume of the maxillofacial region while the medical-grade tube head with small focal spot capture the clearest images possible. The image quality and resolution of the NewTom VGi, .075mm, position the NewTom VGi as the industry’s only professional-grade CBCT.

**Nobel Biocare**  
*Table #13*  
Nobel Biocare is the world leader in innovative restorative and esthetic dental solutions. The Company provides dental professionals with state of the art science-based root-to-tooth solutions, including dental implants, all-ceramic crowns, bridges and laminates, guided surgery planning, scanners, and biomaterials.

**OMS Vision**  
*Table #16*  
Developed in partnership with the American Association of Oral and Maxillofacial Surgeons (AAOMS), OMSVision consistently delivers industry firsts: embedded EHR (Electronic Health Record), comprehensive implant management, and powerful profitability management capabilities such as referral tracking. OMSVision’s philosophy of collaboration with users and industry experts guarantees that they continually offer the best specialty-specific solution available for progressive oral and maxillofacial surgeons. Visit www.OMSVision.com to learn more.

**Ortho Traction Pads**  
*Table #32*  
They make superior quality pads with chains for your expose and bond procedures. They offer 12 styles along with the best customer service in the business!

**Osada, Inc.**  
*Table #31*  
Osada Enac W-10 Piezoelectric Ultrasonic System (30 KHz) for periodontic surgery, endodontic and apicoectomy procedures and the new approach for oral surgery with much-reduced tissue trauma and bleeding. Osada XL-S30 electric handpiece system with built-in irrigation for dentoalveolar surgery and oral implantology.

**Osstell Inc. USA**  
*Table #7*  
Osstell stability meter measures the lateral stability of the implant and is the objective way to measure implant stability.

**OsteoMed, LP**  
*Table #33*  
OsteoMed is a leading global innovator, developer, manufacturer and marketer of specialty medical devices, surgical implants and powered surgical instruments including devices for CMF trauma, Orthognathic Surgery, distraction osteogenesis and dental alveolar ridge augmentation for the Oral and Maxillofacial specialties.

**Palisades Dental**  
*Table #8*  
Impact Air 45° is a high-speed, air-powered handpiece with a compact 45° angled head designed for better access and visibility to the rear of mouth. Its back-end air exhaust substantially reduces the risk of air embolisms. Fully autoclavable with office replaceable turbine, speeds reach 400,000-500,000 RPMs and is engineered for various intra-oral surgical procedures.

**Piezosurgery**  
*Table #10 & 19*  
Piezosurgery Incorporated is a company dedicated to improving the surgical experience for clinicians and patients alike. Their products are used in bone surgery and deliver incredible precision and safety. Their patented Piezosurgery® technology is used by thousands of clinicians and numerous hospitals and universities worldwide. They offer one of the most innovative technologies in bone surgery. Thanks to the controlled three-dimensional ultrasonic microvibrations, the patented Piezosurgery® technology opens up a new age of osteotomy and osteoplasty in:

- Oral Surgery
- Implantology
- Surgical Orthodontics
- Bone Grafting
PreXion
Table #37
PreXion 3D is a dental Cone Beam CT scanner that delivers high-resolution images, a simultaneous panoramic function, powerful diagnostic 3D planning tools, and proprietary data processing hardware. The PreXion 3D produces the highest image quality in the profession and is designed for dental offices performing Implant Procedures, Periodontists, Endodontists and Oral-Maxillofacial Surgeons.

Quintessence Publishing
Table #40
Quintessence is an international publisher of books, journals and multimedia products, specializing exclusively in Dentistry, featuring the latest titles in all disciplines. Review the many new titles and multimedia products and pickup sample copies of a selection of Quintessence journals.

Salvin Dental Specialties
Table #24
“Everything For Your Implant Practice But The Implants®” Surgical Instruments, OraMEM®, OraPLUG® and OraTape® Collagen Membranes, OraGraft™ Bone Grafting Materials, Fixation Screw Kits, Membrane Tack Kits, Implant Motors, Headlamps, Infection Control, Case Presentation Models, Criticare Monitors, etc.

Stryker
Table #34
Stryker is one of the world’s leading medical technology companies with the most broadly based range of products, including: implants used in joint replacement, trauma, craniomaxillofacial and spinal surgeries; biologics; surgical, neurologic and interventional pain equipment; endoscopic, surgical navigation and communications systems as well as patient handling equipment.

Synthes CMF
Table #39
Synthes is a leading global medical device company. They develop, produce and market instruments, implants and biomaterials for the surgical fixation, correction and regeneration of the human skeleton and its soft tissues. Synthes CMF also supports North American AO ASIF Continuing Education courses.

Ultralight Optics
Table #18
LED Loupe-Lights. Smaller than a dime. Lighter than a nickel. They have been the industry leader in both weight and size by far and the top ranked choice for LED headlight by an independent non-profit dental education and product testing institute.

United States Air Force Recruiting Services
Table #20
“Practice Medicine Instead of Paperwork” – Air Force physicians provide medical care for our nation’s heroes. They work with state-of-the-art medicine in a group practice and participate in humanitarian and aeromedical missions worldwide. You too, can enjoy career growth with great benefits, no malpractice insurance worries or overhead expenses.

Vatech
Table #28
Vatech is the world’s leading provider of dental digital radiography and Cone Beam CT and offers the most diverse product portfolio. Vatech is dedicated solely to innovative digital dental X-ray imaging technologies that aid dentists and patients.

Yodle
Table #26
Yodle, a leader in local online advertising, connects thousands of local businesses with consumers in a process so simple and cost-effective that business owners can’t imagine any other way to advertise. Yodle has developed an integrated approach to signing up and serving local businesses that are transitioning their marketing budgets online.

ZOLL Medical Corporation
Table #38
ZOLL Medical Corporation, a leader in medical products and software solutions, provides AED and CPR solutions for schools, fitness centers, corporations, churches, and other organizations that accommodate or serve the public. Our clinically advanced, easy-to-use products help lay rescuers and professionals alike respond quickly and effectively to sudden cardiac arrest.
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For more information, contact BioHorizons Customer Care: 1.866.468.8338 or shop online at www.biohorizons.com

1. Please see Laser-Lok Clinical Overview (BioHorizons document ML0606).
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Jacksonville, FL

**The ACOMS Rhinoplasty Hands-on Cadaver Course**
February 25-26, 2012
LSU HSC
New Orleans, LA

**The ACOMS 33rd Annual Scientific Conference and Exhibition**
April 28-30, 2012
Ritz Carlton Palm Beach
Palm Beach, FL

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