So long, model surgery… so long, facebow transfer… Welcome to the digital world…
Overview
Farewell to facebow transfer, plaster model surgery, conventional splints and bone grafts. Welcome to the digital world, tissue engineering, in-office surgery and rapid orthodontics!

Many facial deformities and malocclusions remain untreated, or are managed inefficiently over long periods of time contributing to excessive costs, patient discomfort, root resorption and periodontal injury. Sophisticated advancements in accelerated orthognathic and orthodontic techniques and technology offer surgeons, orthodontists and other dental/medical specialists the tools to achieve predictable outcomes with convenience, efficiency and affordability. The paradigm shift in orthognathic surgery and orthodontics is supported by technological achievements that enable practitioners to enhance the quality of life for their patients.

In this dynamic course, healthcare practitioners will obtain the scientific knowledge and strategies to manage all simple and complex craniomaxillofacial and occlusal deformities in early adolescence and adult patients, within a treatment period of six to twelve months, in an outpatient setting. Faculty will highlight computer assisted simulation, planning and intraoperative navigation, as well as tissue engineering and aesthetics. There will be ample time for discussion with faculty and interaction with peers.

Faculty members, who have been the driving force behind these technological developments, will lead hands-on workshops for those who seek skills development. Participants will visit the virtual in-office imaging center, where they will visualize in real-time various functioning technologies. Experienced clinicians and engineers will demonstrate planning protocol to better manage maxillofacial deformity patients. Interactive workshops and workstations also include electronic record-keeping and cone-beam CT for 3D-based planning.

The meeting will end with the following:

- Abstracts
- Hands-on workshops
- The future- 5 minute Presentations by selected faculty
- Roundtable Discussion
- Summary and Remarks

Target Audience
This course is intended for practitioners, residents, fellows and scientists in the fields of Oral and Maxillofacial Surgery, Orthodontics, Dentistry, Plastic and Reconstructive Surgery, and Otolaryngology-Head and Neck Surgery who desire to learn about and become involved with virtual technology of orthognathic surgery and orthodontic planning and techniques with the goal of significantly improving patient outcomes in convenient in-office settings using techniques that are accomplished rapidly, efficiently and affordibly in convenient office settings.

Needs Assessment
Safe and effective technological improvements in orthognathic and orthodontic procedures, including sophisticated 3D treatment planning, tissue engineering and office-
based orthognathic surgery, make it possible for physicians to treat both common and challenging deformities. These technological advancements require practitioners to expand their knowledge and competency to offer accelerated, affordable, convenient and predictable care to their patients. Doing so will also reach more patients who need treatment.

**Practice Gaps**
Practitioners who currently manage orthognathic and occlusal deformities can provide treatment that not only improves outcomes, but does so in an efficient and cost-effective manner. By integrating sophisticated technology, healthcare providers will be able to treat craniomaxillofacial and occlusal deformities in early adolescent and adult patients within a period of six to twelve months, efficiently, affordably, predictably and conveniently in the outpatient setting.

**Transferability of Skills to Clinical Practice and Disclaimer**
The purpose of this continuing medical education activity is to provide opportunities to physicians to learn, discuss, observe, and practice the application of new knowledge and skills on models during a faculty guided practicum. This course is not intended to prepare physicians for procedures or techniques in clinical practice. Attendance at this course does not imply clinical competence. Faculty recommend ongoing education and skill practice with experienced, qualified colleagues. It is the responsibility of an attendee to follow the process required by their healthcare organization to secure clinical privileges in procedures and techniques taught during the course.

**Objectives**
Upon completion of this course, the practitioner should be able to:

1. Describe the biologic foundation and science of specific techniques and technologies used in accelerated orthognathic surgery and orthodontics.
2. Identify the advantages and techniques of virtual surgical simulation for predictable and efficient planning for orthognathic surgery (without sectioning plaster models).
3. Evaluate innovative and versatile wing osteotomy for the correction of deficiency, excess and asymmetry of the inferior mandibular border.
4. Discuss dentoalveolar distraction osteogenesis versus corticotomy for accelerated repositioning of teeth and/or the use of dento-osseous segments.
5. Provide biological and clinical evidence for accelerated tooth movements with RAP and orthopedic corrections with mini-screw implants.
6. Explain the biologic and clinical evidence for using the “Surgery 1st Technique” for post-surgical accelerated orthodontic tooth movement.
7. Assess the use of ultrasonic cutting for safe orthognathic surgery and orthodontic microsurgery.
8. Explain advancements and new techniques in tissue engineering which improve surgical healing.
9. Delineate strategies for interdisciplinary collaboration including the implementation of a patient centric virtual health record.
10. Describe the practice implications of shifting treatment from the hospital to office-based centers where surgical cost and treatment time can be reduced by 50%.

11. Assess clinical outcomes of accelerated orthognathic surgery and orthodontics, including the aspects of quicker patient recovery, predictable outcomes and efficiencies.

12. Demonstrate the application of instruments, devices and sophisticated computer technology in a bioskills workshop.

**New Topics**
- The Universal Challenge of a Great Dilemma
- Clinical Protocol and Planning Sequence of Using Computer-aided Surgical Simulation (CASS) for Orthognathic Surgery
- Application of Distraction Osteogenesis in the treatment of Maxillofacial Deformities and Defects
- Efficiency of Orthognathic Surgery in Hospital Setting
- Accelerated Orthognathic Surgery and Rapid Orthodontic Treatment of Dentofacial Deformities on a Large Scale
- Maxillofacial Reconstructive Surgery
- Surgery First for Orthognathic Surgery: from a Surgical-Orthodontic Prospective
- Staged Treatment for Temporomandibular Joint Ankylosis with Secondary Dentofacial Deformities in Adults
- Treatment of the Micrognathia with OSAHS by Using Orthognathic Surgery and Distraction Osteogenesis
- Interactive Hands-on Workshops

**Call for Abstracts**
Residents and fellows are welcome to submit abstracts for 10 minute presentations to share the experience and research on advanced techniques in orthognathic surgery. Awards will be given.
Course Director
William H. Bell, DDS
Clinical Professor
Department of Surgery
University of Texas Southwestern Medical Center
Dallas, Texas, USA

Co-Directors
Nuo Zhou, DDS, MD, FICD
Vice President, Chinese Stomatological Association(CSA)
Professor and Doctoral Supervisor
Dean, College of Stomatology, GXMU
Nanning, Guangxi, China

James J. Xia, MD, PhD, MS
Director of Surgical Planning Laboratory
Department of Oral and Maxillofacial Surgery
The Methodist Hospital Research Institute
Houston, Texas, USA
Associate Professor of Surgery (Oral and Maxillofacial Surgery)
Weil Medical College of Cornell University

Steve G. F. Shen, DDS, MD
Chairman and Professor,
Department of Oral and Maxillofacial Surgery
Vice President, Shanghai Ninth People’s Hospital
Shanghai Jiaotong University
Shanghai, China

Faculty
Harry C. Schwartz, DMD, MD, FACS
Regional Coordinating Chief,
Department of Maxillofacial Surgery
Southern California Permanente Medical Group
Professor,
Department of Oral and Maxillofacial Surgery
UCLA, Los Angeles, USA

Stephen A. Schendel, MD, DDS
Professor of Surgery Emeritus,
Stanford University Medical Center.
California Sleep Institute
Palo Alto, California, USA

Richard L. Jacobson, DMD, MS
Director of Face Center LA
Los Angeles, USA

Cesar A. Guerrero, DDS
Director
Santa Rosa Oral and Maxillofacial Surgery Center
Consulting Professor of the Orthodontist Postgraduate Program,
Dental Faculty, Central University of Venezuela
Caracas, Venezuela

Daniel Chiung-Sing Huang, DDS, PhD
Director & Professor,
Faculty of Dentistry, Chang Gung Memorial Hospital
Taipei, Taiwan, China

Lim K. Cheung, BDS, PhD
Chair Professor,
Oral and Maxillofacial Surgery (OMS)
Faculty of Dentistry, The University of Hong Kong
Hong Kong, China

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Vice President of the Chinese Medical Doctor Association
Professor and Doctoral Supervisor
Peking University School of Stomatology
Beijing, China

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School of Medicine, Shanghai Ninth People’s Hospital
Shanghai Jiaotong University
Vice President of Shanghai Orthodontic Society
Shanghai, China

Yanheng Zhou, DDS
Deputy Secretary General
Director of Science Research Dept.
Chinese Stomatological Association(CSA)
Deputy Director,
Department of Orthodontics
Peking University School of Stomatology

Jing Hu, DDS, PhD
Professor and Head,
The Center for Orthognathic and TMJ Surgery
West China College of Stomatology
Sichuan University, Chengdu, China
Preliminary Agenda

Thursday, October 11, 2012

Welcome and Overview
1:00-1:15 Nuo Zhou, DDS, MD, FICD
William H. Bell, DDS, FACD

Thursday Afternoon Educational Sessions:
CASS – PLANNIN

Moderators: Harry Schwartz, Richard Jacobson
1:15-2:00 James J. Xia, MD, PhD, MS
Clinical Protocol for Computer Aided Surgical Simulation (CASS) for Orthognathic Surgery, Planning Sequence using CASS for Orthognathic Surgery
2:00-2:45 Jing Hu, DDS, PhD
Staged Treatment for Temporomandibular Joint Ankylosis with Secondary Dentofacial Deformities in Adults
2:45-3:15 Break
3:15-4:00 Daniel Chiung-Sing Huang, DDS, PhD
Biologic Foundation for Post-Surgical Accelerated Orthodontic Tooth Movement by “Surgery First Technique” – Evolution of Dentoalveolar Transport Osteodistraction for Rapid Canine Distalization
4:00-4:45 Yanheng Zhou, DDS
Surgery or Orthodontics first?
4:45-5:15 Q&A Discussion
6:00 Welcome Banquet

Friday, October 12, 2012

Friday Morning Educational Sessions:
Accelerated Orthognathic Surgery & Orthodontics

Moderators: James Xia, Daniel Chiung-Sing Huang
8:00-8:45 Stephen Schendel, MD, DDS, FACS, FAAP
Computer Simulation in the Daily Practice of Orthognathic Surgery
8:45-9:30 Richard Jacobson, DMD, MS
Efficient Orthodontics and Orthognathic Surgery Treatment-the Palisades Protocol
9:30-10:00 Break
10:00-10:45 Steve Guofang Shen, DDS, MD
Orthognathic Surgery in China on a Large Scale
10:45-11:30 Fang Bing, DDS, PhD
Orthodontics in China on a Large Scale
11:30-12:00 Q&A Discussion
12:00-1:00 Lunch
Friday Afternoon Educational Sessions

**Distraction Osteogenesis**

*Moderators: Jing Hu, Steve Shen*

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<thead>
<tr>
<th>Time</th>
<th>Presenter</th>
<th>Topic</th>
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<tbody>
<tr>
<td>1:00-1:45</td>
<td>Nuo Zhou, DDS, MD, FICD</td>
<td>Minimally invasive anterior maxillary segmental DO advancement in cleft lip and palate patients</td>
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<td>1:45-2:30</td>
<td>Cesar Guerrero, DDS</td>
<td>Application of Distraction Osteogenesis and Mandibular Basal osteotomy in the Treatment of Maxillofacial Deformities</td>
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<td>2:30-3:00</td>
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<td>3:00-3:45</td>
<td>Lim K. Cheung, DDS, PhD</td>
<td>Current Advances in Management of Midface Skeletal Deformities</td>
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<td>3:45-4:30</td>
<td>Xing Wang, PhD, FICD</td>
<td>Correction of Micrognathism and Associated Obstructive Sleep Apnea</td>
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<td>4:30-5:00</td>
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<td>Q&amp;A Discussion</td>
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<td>Adjourn</td>
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<td>5:30-7:30</td>
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<td>Hands-on Workshops</td>
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Saturday, October 13, 2012

Educational Sessions

*Moderators: Cesar Guerrero, Stephen Schendel*

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<tr>
<td>8:00-8:45</td>
<td>Harry Schwartz, DDS, MD, FACS</td>
<td>Is traditional orthognathic surgery efficient?</td>
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<td>8:45-9:30</td>
<td>William H. Bell, DDS, FACD</td>
<td>The Challenge of a Great Dilemma</td>
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<td>9:30-10:00</td>
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<td>Break</td>
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<td>10:00-11:00</td>
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<td><strong>ABSTRACTS</strong></td>
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<td>11:00-11:30</td>
<td>The ‘Future’ &amp; ‘Challenges’ – short presentations by selected faculty</td>
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<td>11:30-12:15</td>
<td>Round-table discussion</td>
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<td>12:15-12:30</td>
<td>Summary Remarks. Adjourn</td>
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October 11-13, 2012  Nanning, China

Registration Form

□ Prof.  □ Dr.  □ Mr.  □ Mrs.  □ Ms.  
First & Other Name: ___________________  Family Name: ___________________

Position: ________________________________  
Department: ________________________________  
Institution: ________________________________  
Address: ________________________________  
Post Code: ___________  Country: ________________

Telephone No.: ___________  Fax No.: ___________

E-mail: ________________________________

Arrival Date: ___________  Departure Date: ___________

□ Dietary Restrictions (please specify): ________________________________

Email (primary delivery method for course confirmation notice)

- Registration Fee:
  □ Physicians & Dentists  300USD  
  □ Members of CAS & CAFD  150USD  
  □ Students  75USD

- Hotel Reservation:
  Guangxi Wharton International Hotel
  88 Minzu Road, Nanning, China
  Website: http://www.whartonhotel.com

Please “√” the type of room required (Depend on current exchange rate)

□ Single:  RMB 470(equivalent to 75USD or so)/ room/ night  
□ Double:  RMB 450(equivalent to 71USD or so)/ room/ night

- Hotel Policy & Method of Payment
  All reservation should be made prior to Sept. 10, 2012. The participant must transfer your one night deposit to the following account and mail or fax the remittance slip to the Organizing Committee. No refund will be made thereafter.

  Account No (账号):  626257485452  
  Account Name (账户名):  Stomatological Hospital of Guangxi Medical University  
  Name of Beneficiary’s BANK (开户行):  Bank of China Guangxi Branch, Yikeda Subbranch  
  Address of Beneficiary’s BANK (开户行地址):  22 Shuangyong Road, Nanning, Guangxi, P.R.C  
  Name of Beneficiary’s BANK (开户行):  中国银行南宁市医科大支行  
  Address of Beneficiary’s BANK (开户行地址):  中国广西南宁市双拥路 22 号

- Registration Procedure:
  All complete registration forms must be sent before August 20, 2012.
  Fax: Send registration via fax to: +86-771-5315946  
  Questions: Call Ms. Wang Cen at +86-771-5313350  
  Mail: Please mail registration form to: Dean’s Office, College of Stomatology,  
        Guangxi Medical University, 10 Shuangyong Rd, Nanning, Guangxi, 530021, China

Account No (账号):  626257485452  
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Address of Beneficiary’s BANK (开户行地址):  中国广西南宁市双拥路 22 号