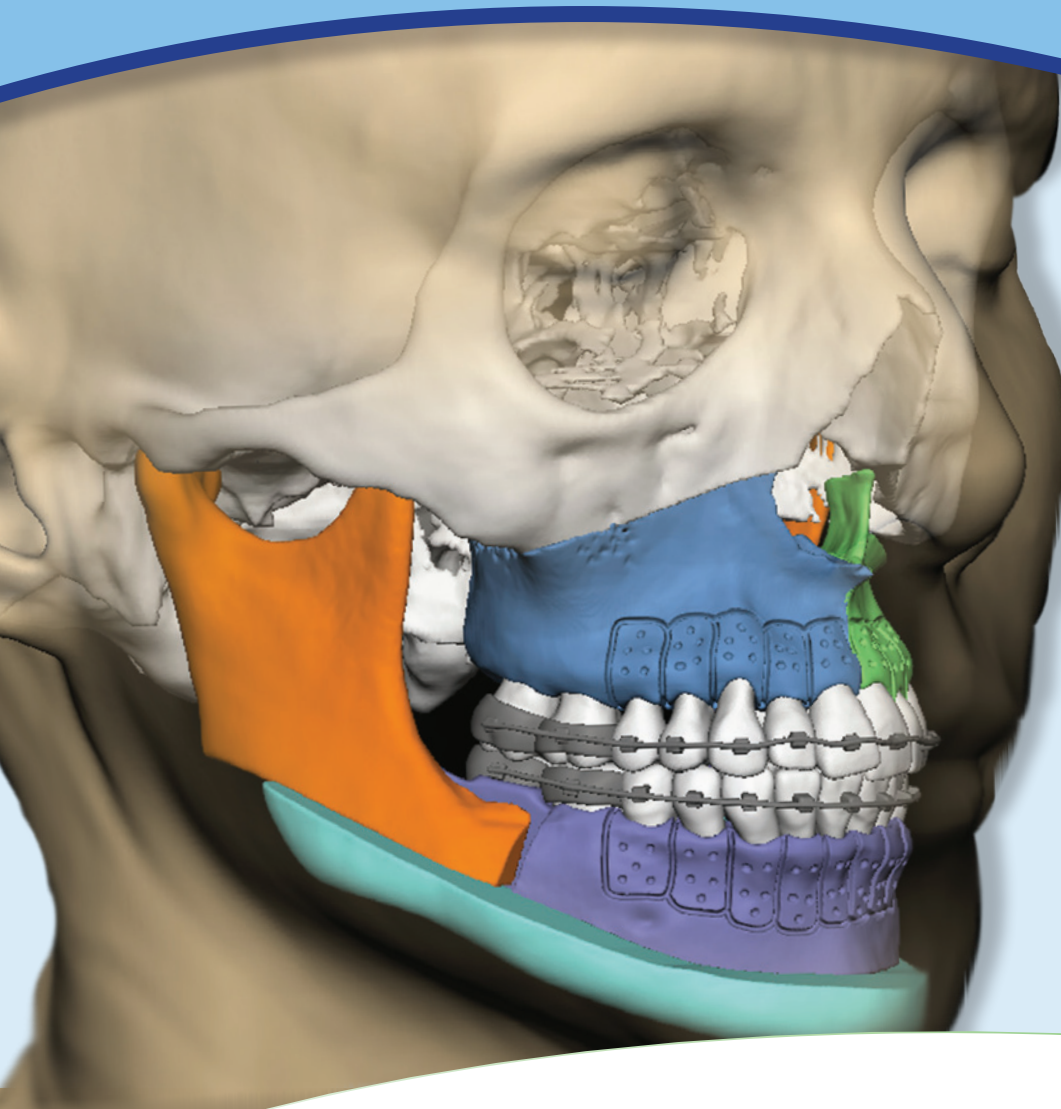


7th William H. Bell Lectureship

Technological Advances in Accelerated Orthognathic Surgery and Orthodontics

Friday and Saturday, November 13-14, 2015

The Nines Hotel, Portland, Oregon



Course Directors

William H. Bell, DDS
R. Bryan Bell, DDS, MD

Co-Course Directors

Richard Finn, DDS
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A Continuing Medical and Dental Education Activity sponsored by:

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Pfiedler Enterprises recognizes the support of:

**The Orthognathic Surgery
Education Foundation (OSEF)**

**HEAD&NECK
INSTITUTE**
Portland, Oregon

Course Overview

Efficiency: Ability to Accomplish a Job with a Minimum Expenditure of Time, Effort and Cost.

In this golden era of surgical science and technology is the accelerating and deepening wave of change sweeping through medicine and dentistry. Visionaries, creative thinkers and pioneers are moving our specialties to new heights. Practitioners will obtain the scientific knowledge, skill, and strategies to manage orthognathic, reconstruction and orthodontic challenges efficiently and predictably. Technological advances continue to influence and improve outcomes for patients with craniodentofacial deformities. Two great problems, however, remain to be adequately addressed: excessive cost of hospital surgery and excessive length of orthodontic treatment. A confluence of biological and technological understandings and applications is enhancing the efficiency, affordability and convenience of these protocols. The ongoing paradigm shift will continue via internet-based interdisciplinary treatment planning, three-dimensional virtual imaging analysis, computer-assisted surgery, and surgically facilitated orthodontics. Surgical simulation coupled with outpatient surgery will bring collaborative efforts of diverse experts together to solve complex craniofacial problems. The RAP and surgery-first phenomena will continue to mature in finding its place in rapidly repositioning teeth, jaws and dento-osseous segments. The utilization and application of surgical and orthodontic procedures will begin to employ simulation methodology to shorten technical learning curves and thus shorten and improve patient care. 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 and orthodontists the tools to achieve predictable outcomes with convenience, efficiency, predictability 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.

Target Audience

This course is intended for practitioners, residents 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 in acquiring the tools to achieve predictable outcomes for their patients.

Professional 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.

Assessment of Need

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 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.

Methodology-Format

This course will utilize a variety of teaching principles to enhance the outcomes for the course. Lecture will be supported by PowerPoint presentations, discussion will allow interaction and the ability to exchange ideas and workshops will focus on technology and surgical approaches.

Objectives

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

1. Trace the evolution of technological advances in orthognathics, reconstructive surgery and orthodontics.
2. Identify the advantages and techniques of virtual surgical planning for predictable and efficient dental reconstruction with implants.
3. Explain the biology of continuous distraction wound and design as well as the development and implementation of a novel continuous distraction device.
4. Evaluate image acquisition for three-dimensional virtual reconstructive and orthognathic reconstructive treatment planning.
5. Explain the role of 3-D virtual imaging in accelerated orthognathic surgery.
6. Review the biological and clinical evidence for accelerated orthodontic tooth movement.
7. Describe simultaneous ablative and reconstructive surgery of jaw cancer.
8. Discuss virtual orthognathic surgical planning for the management of short posterior face height with and without total temporomandibular joint replacement.
9. Explain advancements and new techniques in tissue engineering which improve surgical healing.
10. Describe intraoral combined bone flaps and bone transport in mandibular reconstruction.
11. Assess clinical outcomes of accelerated orthognathic surgery and orthodontics, including the aspects of quicker patient recovery, predictable outcomes and efficiencies.
12. Discuss current clinical practices for bimaxillary, intranasal & osseous genioplasty surgery.
13. Predict the future of Orthognathic surgery and orthodontics by exploring what is next in the paradigm shift.
14. Demonstrate the application of instruments, devices and sophisticated computer technology in a bioskills workshop.

Continuing Medical Education

Physician Accreditation:

Pfiedler Enterprises is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Credit Designation:

Pfiedler Enterprises designates this live activity for a maximum of **16 AMA PRA Category 1 Credit(s)**[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Continuing Dental Education

This continuing education activity has been planned and implemented in accordance with the standards of the ADA Continuing Education Recognition Program (ADA CERP) through joint efforts between LSU Health Continuing Dental Education and Pfiedler Enterprises.

LSU Health Continuing Dental Education is an ADA CERP Recognized Provider.

ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing dental education. ADA CERP does not approve or endorse individual courses or instructors, nor does it imply acceptance of credit hours by boards of dentistry.

LSU Health Continuing Dental Education designates this activity for **16 continuing education credits**.

“Concerns or complaints about a CE provider may be directed to the provider or to the Commission for Continuing Education Provider Recognition at ADA.org/CERP.”

Disclaimer

Pfiedler Enterprises does not endorse or promote any commercial product that may be discussed in this activity.

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Faculty Disclosure

All faculty participating in continuing medical education activities sponsored by Pfiedler Enterprises are expected to disclose to the audience any real or apparent financial affiliations related to the content of their presentations. Detailed disclosure will appear in writing and be distributed on-site prior to the course and will also be made verbally prior to the faculty presentation at the live event.

Agenda

Friday, November 13

7:30 – 8:00 am	Registration/Breakfast/Exhibits
8:00 – 8:10 am	Introduction <i>Jay Malmquist, DMD</i>

THE EXPLOSION OF TECHNOLOGY

8:10 – 9:00 am	On the Threshold of a New Era in Biomaterials for Maxillofacial Reconstructive Surgery <i>Leon Assael, DDS</i>
9:00 – 9:50 am	Surgical Design Using Embryonic Processes <i>Martin Chin, DDS</i>
9:50 – 10:00 am	Discussion
10:00 – 10:20 am	Break/Exhibits
10:20 – 11:10 am	Faster Tooth Movements – Extending the Limits of Biology <i>Peter Buschang, PhD</i>
11:10 – 12:00 pm	Biology of the Continuous Distraction Wound and Design, Development and Implementation of a Novel Continuous Distraction Device <i>Leonard Kaban, MD, DMD</i>
12:00 – 12:10 pm	Discussion
12:10 – 1:15 pm	Lunch/Exhibits

PLANNING IN THE ERA OF VIRTUAL IMAGING

1:15 – 2:05 pm	Image Acquisition for Three Dimensional Virtual Reconstructive and Orthognathic Reconstructive Treatment Planning in the Virtual Imaging Era <i>James Xia, MD, PhD</i>
2:05 – 2:55 pm	The Role and Application of 3-D Virtual Imaging – Accelerated Orthognathic Surgery Increased 3-D Treatment <i>Brian Farrell, DDS, MD</i>
2:55 – 3:05 pm	Discussion
3:05 – 3:25 pm	Break/Exhibits
3:25 – 4:25 pm	Surgery First Approach to Orthognathic Surgery – 3D Orthodontic Planning and Application of Regional Accelerated Phenomena <i>Daniel Huang, DDS, PhD</i>
4:25 – 4:35 pm	Discussion
4:35 – 6:00 pm	Workshops – Practical Application with Hands-on Demonstrations
6:00 pm	Reception

Saturday, November 14, 2015

7:30 – 8:00 am	Registration/Breakfast/Exhibits
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RECONSTRUCTIVE TECHNOLOGY

8:00 – 8:50 am	Virtual Orthognathic Surgical Planning for the Management of Short Posterior Face Height with and Without Total Temporomandibular Joint Replacement <i>Bryan Bell, MD, DDS, FACS</i>
8:50 – 9:40 am	Simultaneous Ablative and Reconstructive Surgery of Jaw Cancer <i>David Hirsch, DDS, MD</i>
9:40 – 9:50 am	Discussion
9:50 – 10:10 am	Break/Exhibits
10:10 – 11:00 am	Intraoral Combined Bone Flaps and Bone Transport in Mandibular Reconstruction <i>Cesar Guerrero, DDS</i>
11:00 – 11:50 am	Tissue Engineering to Accelerate Healing and Surgical Treatment <i>Alan Hereford, DDS, MD</i>
11:50 – 12:00 pm	Discussion
12:00 – 1:15 pm	Lunch/Exhibits

ORTHOGNATHICS NOW AND THE FUTURE – Saturday Continued

1:15 – 2:05 pm	Is Traditional Orthognathic Surgery & Orthodontics Efficient? <i>Tim Turvey, DDS</i>
2:05 – 2:55 pm	Operative Time, Airway Management, Need for Blood Transfusions & In-Hospital Stay for Bimaxillary, Intranasal & Osseous Genioplasty Surgery: Current Clinical Practices <i>Jeff Posnick, DMD, MD</i>
2:55 – 3:05 pm	Discussion
3:05 – 3:20 pm	Break/Exhibits
3:20 – 4:00 pm	The Future Moderator: <i>Richard Finn, DDS</i>
4:00 – 4:40 pm	What's next for the Paradigm Shift? <i>William Bell, DDS</i>
4:40 – 5:00 pm	Adjourn – Evaluation/Credit Forms

Commercial Support

Pfiedler Enterprises gratefully acknowledges the commercial support from companies listed below. All support is managed in accordance with the ACCME Guidelines and Standards for Commercial Support.

Grant funds: *The online brochure will be updated to reflect a commercial entity contributing grant funds.*

In-kind support for the practicum: *Online brochure will be updated when this information is available.*

Exhibitors

Information will be posted when available.

AdvaMed Code of Ethics



This course complies with the “Revised and Restated AdvaMed Code of Ethics” effective July 1, 2009. The educational meeting and associated hospitality events are intended solely for the registered attendees and faculty. Therefore, guests/spouses and other healthcare professionals are not allowed to attend. We appreciate cooperation with these guidelines.

Americans with Disabilities

Pfiedler Enterprises will be glad to assist you with any special needs (i.e., physical, dietary, etc.). Please contact Pfiedler Enterprises at 720-748-6144.

Declaration of Disclosure for Pfiedler Enterprises

In compliance with the ACCME Standards for Commercial Support, Pfiedler Enterprises provides disclosure and resolution of conflict information for individuals who may control the content of this CME activity. Please visit our website at: www.pfiedlerenterprises.com/disclosure

Course Location and Accommodations

The Nines Hotel

525 SW. Morrison
Portland, Oregon

Pfiedler Enterprises has reserved a block of rooms at the rate of \$229+tax for this meeting.

For room reservations call 888-627-7208.

Cut-off date for reservations is October 16, 2015. Reservations made after this date are on room availability at the prevailing rates.

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