University of Colorado School of Dental Medicine and Medicine
Continuing Dental and Medical Education
Presents the
47th Annual Refresher Course in
Oral & Maxillofacial Surgery

Held at the historic Brown Palace Hotel and Spa
Denver, Colorado
This refresher course in oral and maxillofacial surgery is offered to general practitioners, oral surgeons, oral and maxillofacial surgery practitioners and residents. In this week-long course, an intensive review of modern concepts in oral and maxillofacial surgery will be presented by a faculty of nationally recognized clinicians from private practices and advanced oral and maxillofacial surgery training programs.

Expanded and detailed course materials will be presented to each participant.

Accreditation

The University of Colorado School of Dental Medicine 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.

The University of Colorado School of Dental Medicine designates this activity for 60 continuing education credits.

The University of Colorado School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The University of Colorado School of Medicine designates this live activity for a maximum of 60 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.
AGENDA

SATURDAY, NOVEMBER 15, 2014
8:00 a.m. – 3:00 p.m.  Orthognathic Surgery, Mandibular/Maxillary Procedures  – Dr. Myron Tucker
3:00 p.m. – 5:00 p.m.  Complications of Dentoalveolar Surgery – Dr. Thomas Borris

SUNDAY, NOVEMBER 16, 2014
8:00 a.m. – 12:00 noon  Maxillofacial Cosmetic Surgery – Dr. Michael Will
1:30 p.m. – 5:30 p.m.  Principles of Advanced Preprosthetic and Implant Surgery  – Dr. Guillermo Chacon

MONDAY, NOVEMBER 17, 2014
8:00 a.m. – 10:00 a.m.  Sleep Apnea – Dr. Steven Aragon/Dr. Jeremy Jannuzzi
10:30 a.m. – 11:30 a.m.  Tips on taking the boards – Dr. Michael Savage
1:00 p.m. – 5:00 p.m.  Anesthesia – Dr. Michael Rollert
5:15 p.m. – 7:15 p.m.  Anesthesia Case Presentations – Dr. Michael Rollert

TUESDAY, NOVEMBER 18, 2014
8:00 a.m. – 12:00 noon  Physical Diagnosis, Laboratory Studies and Management of the Medically Compromised Patient – Dr. Norman Betts
2:00 p.m. – 4:00 p.m.  Physical Diagnosis, Laboratory Studies and Management of the Medically Compromised Patient – Dr. Norman Betts (continued)
4:00 p.m. – 6:00 p.m.  Cleft Lip and Palate – Dr. Steven Nelson

WEDNESDAY, NOVEMBER 19, 2014
8:00 a.m. – 6:00 p.m.  Oral Pathology – Dr. Robert Marx and Dr. Robert Greer
6:15 p.m. – 8:15 p.m.  C. P. C. – Dr. Robert Marx

THURSDAY, NOVEMBER 20, 2014
8:00 a.m. – 12:00 noon  Oral Pathology (continued) – Dr. Robert Marx and Dr. Robert Greer
1:30 p.m. – 5:30 p.m.  Soft & Hard Tissue Reconstruction – Dr. Robert Marx

FRIDAY, NOVEMBER 21, 2014
8:00 a.m. – 12:00 noon  Maxillofacial Trauma – Dr. Stephen MacLeod
1:00 p.m. – 5:15 p.m.  TMJ – Dr. Daniel Spagnoli

SATURDAY, NOVEMBER 22, 2014
8:00 a.m. – 12:00 noon  Management of Infections – Dr. James Closmann

ADJOURN!!!
COURSE FACULTY

Steven B. Aragon, DDS, MD
Clinical Assistant Professor
Division of Oral and Maxillofacial Surgery, Department of Surgical Dentistry
University of Colorado School of Dental Medicine
Aurora, Colorado

Norman J. Betts, DDS, MS
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Hospital of Dentistry
University of Michigan - School of Dentistry at Ann Arbor
Private Practice
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University of Colorado School of Dental Medicine
Aurora, Colorado

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Private Practice
Puyallup, Washington

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University of Colorado School of Dental Medicine
Aurora, Colorado

Robert O. Greer, Jr., DDS, ScD
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Division of Oral Pathology and Oncology - School of Dental Medicine
Professor of Pathology, Surgery and Medicine - School of Medicine
University of Colorado
Aurora, Colorado

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Stephen MacLeod, BDS, MB, ChB, FDS RCS, (ED&ENG), FRCS (ED)
Professor, Oral and Maxillofacial Surgery
Loyola University Medical Center
Maywood, Illinois

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Chief, Division of Oral and Maxillofacial Surgery
University of Miami School of Medicine
Miami, Florida

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LSUHSC School of Dentistry
New Orleans, Louisiana

Myron Tucker, DDS
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Department of OMS, LSU School of Dentistry
Adjunct Clinical Professor
Department of Orthodontics, UNC at Chapel Hill
Private Practice
Charlotte, North Carolina

Michael J. Will, DDS, MD, FACS
Medical Director
Will Surgical Arts
Urbana, Maryland
# General Outline

This continuing education course is offered as an academic review and does not imply approval by or association with the American Board of Oral and Maxillofacial Surgery.

## Orthognathic Surgery
A review of diagnosis, surgical treatment and management of complications.

I. Clinical Evaluation of the Orthognathic Surgery Patient
II. Correlating Clinical Findings with Cephalometrics
III. Orthodontic Coordination and Treatment of Surgical Patients
IV. Digital Imaging Prediction of Surgical Outcomes
V. Three Dimensional Model Surgery Planning
VI. Mandibular Osteotomies
VII. Maxillary Osteotomies
VIII. Evaluation and Treatment of Asymmetries
IX. Complications, Prevention and Management
X. Revision Surgery
XI. Case Presentations (Conference format)

## Complications of Dentoalveolar Surgery
A review of the common peri-operative situations that require the surgeon to adapt and adjust as circumstances dictate.

I. The Third Molar and When to Leave it
II. Nerve Injuries following Third Molar Extraction
III. Displacement of Teeth at the Time of Extraction

## Maxillofacial Cosmetic Surgery
A review of patient assessment for primary cosmetic procedures.

I. Patient Evaluation
II. Applied Anatomy
III. Overview of Cosmetic Procedures
IV. Management of Complications
Principles of Advanced Preprosthetic and Implant Surgery
A review of principles of implant reconstruction, and hard and soft tissue preprosthetic surgery.
I. Introduction
II. Preprosthetic Surgery
III. Implant Surgery

Obstructive Sleep Apnea
A review and update of the pathophysiology, evaluation and management of obstructive sleep apnea (OSA).
I. Introduction
II. Pathophysiology of OSA
III. Evaluation and Workup of OSA
IV. Nonsurgical Management of OSA
V. Surgical Management of OSA
VI. Review

Anesthesia
A review of core concepts of anesthesia care with a thorough discussion of complications and management of special patient groups.
I. Pharmacology of Anesthetic Drugs
II. Airway Management
III. Monitoring
IV. Office-Based Anesthesia
V. Management of Special Patient Groups
VI. Anesthetic Complications and Emergencies
VII. Anesthetic Case Studies
Physical Diagnosis, Laboratory Studies and Management of the Medically-Compromised Patient

A review of the pathophysiology of disease and treatment strategies for medical management of the surgical patient.

I. Introduction
II. Topics to Review
III. ACLS
IV. ATLS
V. History and Physical Examination
VI. Patient Monitoring
VII. Systemic Diseases of Importance by System (case examples)

Cleft Lip and Palate

A review of the classification, incidence, etiology, embryology, and surgical management of clefts.

I. Definitions and Classification
II. Incidence of Cleft Deformities and Related Congenital Deformities
III. Etiology of Clefts
IV. Management of Cleft Lip and Palate Deformities

Oral and Maxillofacial Pathology

Dr. Robert Greer and Dr. Robert Marx will offer a comprehensive review of oral and maxillofacial pathology, and discuss the problems attendant to the accurate diagnosis and proper management of pathology in the oral and maxillofacial region. In their two day discussion of the pathology of this area, Drs. Marx and Greer will present information concerning both common and uncommon lesions that affect the oral and maxillofacial region. The presentations will include a discussion of the clinical presentations of diseases, disease mechanisms, treatment and follow-up. The presenters will discuss statistical outcome issues and discuss some of the diagnostic difficulties that relate to how certain diseases in the head and neck and oral and maxillofacial region can cause diagnostic quandaries. The discussion will center around the following topics:

I. The handling of surgical specimens and the molecular biology of oral and maxillofacial diseases
II. Odontogenic and non-odontogenic cysts
III. Odontogenic tumors
IV. Tumors of uncertain histogenesis
V. Neoplastic and non-neoplastic salivary gland diseases
VI. Fibro-osseous lesions and bone forming tumors
VII. Immune-based mucocutaneous diseases
VIII. Epithelial malignancies and pre-malignancy
IX. Other Diseases, Time Permitting

Oral and Maxillofacial Pathology
Clinical Pathologic Cases
A review of unknown diagnosis: history of present illness, clinical examination, laboratory testing/radiographs, differential diagnosis, diagnostic techniques, case specific treatments, follow-up.

Hard and Soft Tissue Reconstruction
A review of bone-grafting principles and surgical techniques, including reconstruction of the patient with osteo-radionecrosis.
I. Bone Graft Healing
II. The Influence and Place of Growth Factors i.e. rhPDGFbb, PRP, rhBMP
III. Rigid Plate Fixation
IV. Bone Harvesting (Tibia; Anterior Ilium; Posterior Ilium; Ribs; Oral Sites)
V. Bone Grafting the Mandible
VI. Bone Grafting the Maxilla
VII. Local Soft Tissue Flaps
VIII. Myocutaneous Flaps
IX. Microvascular Flaps
X. Skin Graft, Implants, and Vestibuloplasties to Complete Case
### Diagnosis and Treatment of TMJ Disorders

A review of the diagnosis and treatment of temporomandibular joint disorders.

I. Anatomy and Physiology of the TMJ  
II. Pathogenesis of TMJ Disease  
III. Diagnosis  
IV. Nonsurgical Treatments  
V. Arthroscopic Surgery  
VI. Open Arthroplasty  
VII. Total Joint Replacement  
VIII. Costo-chondral Grafts  
IX. Distraction Osteogenesis of the TMJ  
X. Management of Patients with Multiple Surgeries

### Maxillofacial Trauma

A review of the anatomy, radiology, clinical evaluation and surgical management of maxillofacial injuries.

I. Initial Evaluation of the Trauma Patient  
II. Principles of Fracture Healing  
III. Mandible Fractures  
IV. Maxillary Fractures  
V. Orbital and ZMC Fractures  
VI. Nasal and NOE Fractures  
VII. Frontal Sinus Fractures  
VIII. Panfacial Fractures  
IX. Soft Tissue Injuries  
X. Pediatric Fractures  
XI. Dentoalveolar Injuries

### Management of Infections

A review of the bacteriology, immunology, antibiotics, anatomy and surgical management of infections of the head and neck.

I. Introduction  
II. Microbiology of Odontogenic Infections  
III. Natural Course of Odontogenic Infections  
IV. Review of Host Defenses  
V. Review of Contemporary Antibiotics  
VI. Principles of Therapy of Infections  
VII. Metastatic Infection Prophylaxis  
VIII. Wound Infection Prophylaxis
Tuition for this seven-day course is $2,195; oral and maxillofacial surgery residents and active military, $1,475. (Resident registrations must be accompanied by a letter from the program director verifying that he/she is still in residency at the time the course is presented.)

Tuition fee includes continental breakfast and gourmet lunches and all educational materials.

Advance registration is required, and enrollment is limited. **Registration deadline: October 31, 2014.**

For further information, contact the Office of Continuing Dental Education, School of Dental Medicine, Mail Stop F839, 13065 E. 17th Avenue, Aurora, Colorado 80045. Phone: 303-724-7121.

Please indicate if you have any need for auxiliary aids or special assistance services

Colorado Heart Rescue
Elsevier Science
Hiossen Implants
KLS Martin
3D Systems-Medical Modeling
Snoasis Medical
Stryker
A historic landmark located in the heart of downtown Denver.

Brown Palace Hotel and Spa
321 Seventeenth St.
Denver, CO
303-297-3111
Outside Colorado:
1-800-321-2599

A block of guest rooms has been reserved for November 14-23, 2014, and registrants may call the hotel directly to make room reservations, 1-800-321-2599 (outside Colorado) or 303-297-3111 (Colorado). Mention the name “Refresher Course in Oral & Maxillofacial Surgery,” and you will be offered the following rates:

**Classic Room** (one queen bed) $165 Single or Double Occupancy

**Signature Room** (one king bed or two queen beds) $193 Single or Double Occupancy

Brown Palace Hotel go to the link below for more information:
http://cwp.marriott.com/denak/osrefreshercourse

Comfort Inn
401 17th St. • Denver, CO
303-296-0400 • Outside Colorado: 1-800-237-7431

**Standard Room** (one queen bed or two double beds) $110 Single or Double Occupancy

Reservations must be made by October 31, 2014, to secure the above rates. Registrants are responsible for their own travel and maintenance arrangements and expenses.
STATEMENT OF PURPOSE AND POLICY
The Office of Continuing Dental Education at the University of Colorado School of Dental Medicine is financed entirely with revenues from its programs; it does not receive any operating funds from the state government. Its mission is to present courses in response to the interests of the dental community, to enforce the highest standards of instructional quality, and to ensure a diversity in programs consistent with the University’s commitment to academic freedom.

Course sponsorship does not necessarily indicate endorsement of course content by the University of Colorado School of Dental Medicine.

REFUND POLICY
$200 of tuition payment (per registrant) is NON-REFUNDABLE unless the course is completely enrolled when the application is received or the course is cancelled by the University of Colorado School of Dental Medicine. Refund of the remainder of tuition will be allowed only if the refund request is received two weeks prior to course offering.

PAST PARTICIPANTS have consistently rated this as one of the most beneficial courses of this type in the country, for example:

“Very informative course. Will recommend it to anyone in the future.”

“Excellent choices of speakers, facility, accommodations. Don’t change anything!”

“I attended another course a few years ago, and yours is by far the best.”

“Organization of the course was excellent. I enjoyed the course.”
**REGISTRATION**

47th Annual Refresher Course in Oral and Maxillofacial Surgery

November 15-22, 2014

Name Last First M.I.

__________________________  
__________________________  
__________________________  
__________________________  
__________________________

Address

City                      State        Zip

Phone #                   E-mail Required (Course confirmation and receipt will be sent to you by e-mail)

Degrees

**Tuition:**

Please indicate your registration status:

________ Practicing Oral Surgeon/General Practitioner – $2195 (after 10/31/14: $2295)

________ Oral Surgery Resident and Active Military – $1475 (after 10/31/14: $1575)

**Residency Letter must accompany registration (see page 9)**

________ Past Attendee – $1756 (after 10/31/14: $1856) Last year attended:__________________________

Are you a Board Candidate?  ___ Yes  ___ No

All course registrations include conference materials as a PDF file on a flashdrive. If you would like to also receive a printed copy of the course materials, please add the request below:

________ Yes, I would like to receive a 2-Book Set of the printed course materials on site – $200

**MUST PRE ORDER A 2 BOOK SET BY 10/31/14**

Credit Card:  ☐ VISA  ☐ MC  ☐ AmEx

CARD#  Exp. Date

Name on Card

Signature

Credit Card Billing Address if different from above

City                      State        Zip

Credit card registrations accepted by mail, phone (303-724-7121), fax (303-724-7109) or through our website: www.cu4cde.com

If paying by check, make payable to: University of Colorado, Continuing Dental Education and mail to:

**Registrations:** Continuing Dental Education
School of Dental Medicine
Mail Stop F839  •  13065 E. 17th Avenue, L26-104H  •  Aurora, CO 80045.

MP3 audio and MP4 video ordering information will be available in the course materials on site.

**If you are mailing your registration, please include the menu on the following page.**
Please include this form with your mailed registration

Name (please print)

47TH Annual Refresher Course in Oral and Maxillofacial Surgery Daily Luncheon Menues

We are listing below the daily luncheon menus for the week. If you have special dietary needs - vegetarian, allergies, etc., please indicate so on this questionnaire. Also, we need to know if you will be at lunch on each day as well as the reception on Sunday evening. This information will allow us to give a more accurate accounting of numbers to the hotel for meals. Thanks!

<table>
<thead>
<tr>
<th>Date</th>
<th>Menus</th>
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<tbody>
<tr>
<td>Saturday - 11/15</td>
<td>Grilled All Natural Airline Chicken Breast with Shallot Madeira, Spinach Salad and Tomato Wedges with Honey Pommery Vinaigrette Dressing, Chive Mashed Potatoes</td>
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| Sunday - 11/16  No Lunch (lunch on your own from 12 - 1:30 PM) | SUNDAY RECEPTION  
|   Attending: ☐ yes ☐ no (bringing guest: ☐ yes ☐ no) Hot and cold buffet with cash bar |
| Monday - 11/17 | Pan-seared Rocky Mountain Trout with Roasted Corn Cream, Mixed Baby Greens, Roma Tomato, Walnuts, Sun-dried Cherries salad with Raspberry Vinaigrette or Ranch Dressing and Rice Pilaf |
| Tuesday - 11/18 No Lunch (lunch on your own from 12 - 2 PM) | Wednesday - 11/19  
|   Attending: ☐ yes ☐ no  
| Special Dietary Needs:  |  
| Salmon Salad with Chef’s choice of dressing, Butternut Squash Bisque Mascarpone Soup with Sun Dried Cherries, House Baked Sour Dough Rolls |
| Thursday - 11/20 No Lunch (lunch on your own from 12 - 1:30 PM) | Friday - 11/21  
|   Attending: ☐ yes ☐ no  
| Special Dietary Needs:  |  
| Italian Gemelli Pasta with Broccoli Rabe with Sausage & Peppers/Beef Meatballs, with Alfredo or Marinara sauces, Caesar Salad with Romaine Lettuce, Fresh Croutons/Traditional Caesar Dressing and Garlic Focaccia Bread |
| Saturday - 11/22 No Lunch (session ends at 12 noon) |
School of Dental Medicine
UNIVERSITY OF COLORADO ANSCHUTZ MEDICAL CAMPUS
Continuing Dental Education
Mail Stop F839
13065 E. 17th Avenue
Aurora, Colorado 80045

www.cu4cde.com

Offered as part of “The Statewide Extended Studies Program”
47th Annual Oral and Maxillofacial Surgery Refresher Course

Not printed or mailed at state expense.