

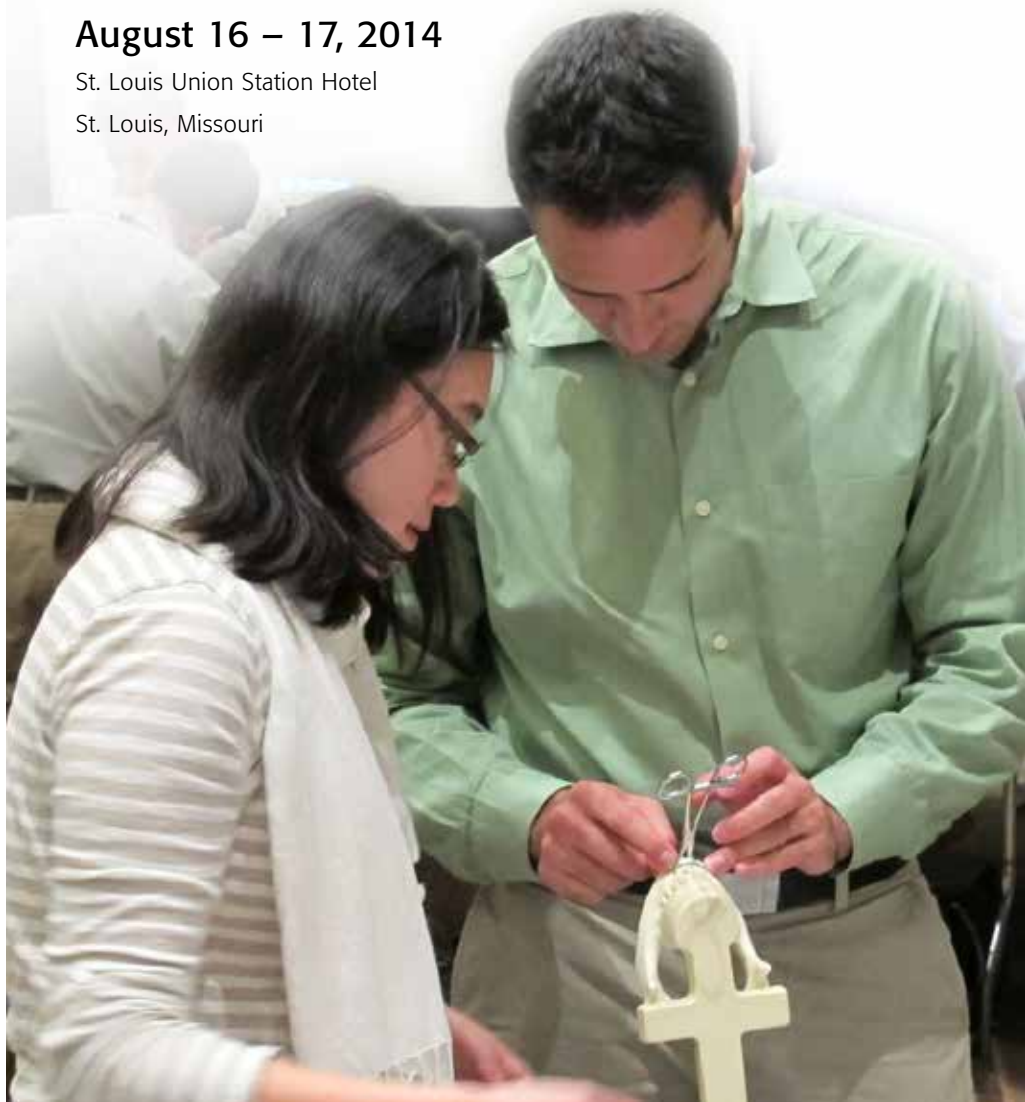
Final Program

Principles of Operative Treatment of Craniomaxillofacial Trauma and Reconstruction

August 16 – 17, 2014

St. Louis Union Station Hotel

St. Louis, Missouri



AOCMF

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AO North America
1700 Russell Road
Paoli, PA 19301

www.aona.org

Table of Contents

CME Mission Statement	4
Course Description	5
Target Audience	6
Learner Objectives	6
Accreditation	7
Designation Statement	7
Faculty	8 – 9
Final Program	10 – 12
Presentation Information	13
Tuition and Registration	14
Hotel and Travel	15



CME Mission Statement

The Continuing Medical Education (CME) mission of AO North America (AONA®) is to provide comprehensive multidisciplinary needs based education to surgeons, fellows, and residents in the specialties of orthopedic, hand, craniomaxillofacial, spine, and veterinary surgery in the areas of trauma (i.e., operative reduction and fixation), degenerative disorders, deformities, tumors, and reconstruction.

Expected results of AONA's CME activities for surgeons, fellows, and residents are to:

- Increase their knowledge base and surgical skill level
- Apply and document competencies in areas of relevant advances in knowledge in the areas of trauma, degenerative disorders, deformities, tumors, and reconstructive surgical techniques into patient care resulting in improved competence
- Address practice performance gaps by improving management of all aspects of musculoskeletal injuries and disorders (i.e., pre-operative planning to post-operative care)





Course Description and Statement of Need

Residents in the CMF Specialties may lack adequate training or experience to treat specific trauma to the head and face. The CMF surgeon's main goal during the diagnosis and treatment of trauma to the head and face is to restore patients to their pre-injury state. The diagnosis and treatment of traumatic injuries to the craniomaxillofacial region sometimes presents a difficult problem requiring a multidisciplinary approach. Management of these injuries often require rigid internal fixation that adheres to the AO philosophy for fracture care.

The principles courses are designed to equip surgeons with the state-of-the-art skills and techniques for treating and managing CMF fractures from trauma, as well as congenital defects, secondary correction of injuries and aesthetic reconstruction. Highlights of the course will include sessions on anatomy, biomechanics, surgical approaches and principles of internal fixation of the mandible and midface.

Experts in the field of CMF Surgery will compare and contrast current methods and provide indications for the use of these techniques. The program will include didactic sessions, practical exercises and small group discussions (SGD). These SGD compliment both the lectures and the practical exercises by discussing the four AO Principles of Fracture Fixation:

- Anatomic reduction of the fracture fragments, particularly joint fractures;
- Stable fixation to ensure proper healing of the fracture allowing surrounding tissue to move and strengthen;
- Atraumatic surgical technique to preserve blood supply to the bone fragments and soft tissue; and
- Early, pain free mobilization returning the patient to function as soon as possible.

Target Audience

This course is primarily designed for surgeons in training in the fields of Oral and Maxillofacial Surgery, Otolaryngology, Plastic and Reconstruction, Ophthalmology and Oculoplastics. Practicing surgeons may also find this course beneficial.

Learner Objectives

At the conclusion of this course, the participant should be able to:

- Describe the principles of stable internal fixation as outlined by the AO;
- Define the biological and mechanical aspects of fracture healing;
- Discuss the problems, complications and intraoperative difficulties that can result from internal fixation;
- Explain preoperative planning methods and how this may affect the management of these fractures
- Apply the psychomotor skills developed in the practical exercises into surgical practice.



Accreditation



AO North America is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Continuing Education Dental Credit Statement

As an Accreditation Council for Continuing Medical Education (ACCME) accredited provider, AO North America meets the definition of a constituent or component organization of the AMA and thereby meets most state dental board requirements of an approved sponsor of continuing education. This course is focused on clinical issues in oral-maxillofacial surgery that are relevant to the treatment and care of dental patients. Most states accept AMA constituents as approved sponsors for continuing dental education credit. If you have questions, your state dental board can confirm eligibility of this course.

Designation Statement

AO North America designates this *Live* educational activity for a maximum of 13.0 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

For Canadian Based Physicians Attending AONA Courses

All live conferences or live courses held outside of Canada can be reported as accredited group learning activities under Section 1 of the MOC Program if they are developed by a university, academy, college, academic institution or physician organization.

Courses sponsored by AO North America meet the criteria of the Royal College of Physicians and Surgeons for accredited group learning activities.

Faculty

The Faculty for this course includes surgeons distinguished in the fields of Oral and Maxillofacial Surgery, Otolaryngology — Head and Neck Surgery and Plastic and Reconstructive Surgery.

Course Chairman

Brendan C. Stack, Jr., MD, FACS, FACE

Professor

Otolaryngology — Head and Neck Surgery

University of Arkansas for Medical Science

Little Rock, Arkansas

Course Co-Chairmen

Remy Blanchaert, Jr., MD, DDS

Oral & Maxillofacial Surgery Associates

Wichita, Kansas

Timothy W. King, MD, PhD, MS, FAAP, FACS

Associate Professor of Surgery and Pediatrics

Director of Research, Division of Plastic Surgery

University of Wisconsin School of

Medicine & Public Health

Chief of Plastic Surgery

William S. Middleton Memorial Veterans Hospital

Madison, Wisconsin

Course Director

George M. Kushner, DMD, MD, FACS

Professor

Oral and Maxillofacial Surgery

University of Louisville Hospital

Louisville, Kentucky

Faculty (continued)

Jonathan S. Bailey, DMD, MD, FACS

Associate Medical Director of Specialty Surgery
Division of Oral & Maxillofacial Surgery
Division of Head & Neck Cancer
Carle Foundation Hospital
University of Illinois at Urbana –
Champaign College of Medicine
Urbana, Illinois

Frederic Deleyiannis, MD, MPhil, MPH

Professor of Plastic Surgery
Chief, Department of Pediatric Plastic Surgery
Director, Cleft Lip and Palate Program
Director, Craniomaxillofacial Microsurgery
and Trauma
Aurora, Colorado

Neal D. Futran, MD, DMD

Professor and Chair
Department of Otolaryngology –
Director of Head and Neck Surgery
University of Washington
Seattle, Washington

Mimi S. Kokoska, MD, MS, FACS

Professor and Vice-Chair
Department of Otolaryngology –
Head & Neck Surgery
Indiana University School of Medicine
Indianapolis, Indiana

Gregory D. Pearson, MD

Assistant Professor Clinical
Residency Program Director
Department of Plastic Surgery
The Ohio State University
Director, Center for Complex Craniofacial Disorders
Nationwide Children's Hospital
Columbus, Ohio

David B. Powers, DMD, MD, FACS, FRCS(Ed)

Associate Professor of Surgery
Director, Duke Craniomaxillofacial Trauma Program
Division of Plastic, Reconstructive, Maxillofacial
and Oral Surgery
Duke University Medical Center
Durham, North Carolina

Allen Sclaroff, DDS

Professor, Otolaryngology / Oral &
Maxillofacial Surgery
Chief, Division Oral and Maxillofacial Surgery
Washington University School of Medicine
Department Otolaryngology –
Head and Neck Surgery
St. Louis, Missouri

J. Trad Wadsworth, MD, MBA, FACS

Associate Professor & Vice Chair Clinical Affairs
Director, Head & Neck Surgery/
Microvascular Fellowship
Department of Otolaryngology –
Head & Neck Surgery
Emory University School of Medicine
Atlanta, Georgia

Final Program – Saturday, August 16, 2014

Time	Moderator	Agenda Item	Lectuer
08:00 – 08:10		Welcome/Course Objectives/AIRS	Stack
08:10 – 08:30		History of AO and AOCMF Membership	Kushner
08:30 – 10:10	Stack	MANDIBLE FRACTURES	
08:30 – 09:10		Mandible: Occlusion, Dental Anatomy and Principles of Fixation	Sclaroff
09:10 – 09:30		Fundamentals of Imaging in CMF Surgery	Kokoska
09:30 – 09:50		Dental Alveolar Trauma	Sclaroff
09:50 – 10:10		Symphyseal and Parasymphyseal Fractures (Including Lag Screw Fixation)	Pearson
10:10 – 10:30		Coffee Break	
10:30 – 11:30	Pearson	PRACTICAL EXERCISE I: 1. Symphyseal Fracture Fixation with 2 Mini-plates 2. Lag Screw Fixation on the Symphyseal Fracture	
11:30 – 12:30		Lunch	
12:30 – 12:50	Blanchaert	MANDIBLE FRACTURES (continued)	
12:30 – 12:50		Angle and Body Fractures	Wadsworth
12:50 – 13:30	Wadsworth	PRACTICAL EXERCISE II: Angle Fracture Repair Using the Superior Border Mini Plate Fixation Technique	
13:30 – 14:20	Blanchaert	MANDIBLE FRACTURES (continued)	
13:30 – 13:50		Condylar Fractures	King
13:50 – 14:20		Edentulous, Comminuted and Defect Mandibular Fractures (Including Locking Reconstruction Plate)	Blanchaert
14:20 – 15:10	Blanchaert	PRACTICAL EXERCISE III: Comminuted Fracture Repair Using the Load Bearing Technique with Locking Reconstruction Plate	
15:10 – 15:25		Coffee Break	

Final Program – Saturday, August 16, 2014 (continued)

Time	Moderator	Agenda Item	Lectuer
15:25 – 16:10	Stack	MANDIBLE FRACTURES (continued)	
15:25 – 15:45		Complications of Mandibular Fractures and Their Treatment	Powers
15:45 – 16:05		Mandibular Reconstruction and the Role of Rigid Internal Fixation (RIF)	Futran
16:05 – 16:10		Mandible Post Module Questionnaire	Futran
16:10 – 16:15		Pick Up Snack – Move to Small Group Discussions (SGD)	
16:15 – 17:45		Small Group Discussions: Mandible Fracture Treatment	
17:45		Adjourn for the Day	

AO North America gratefully acknowledges in-kind support for equipment and/or technical staff from DePuy Synthes.

Final Program – Sunday, August 17, 2014

Time	Moderator	Agenda Item	Lectuer
08:00 – 10:10	King	MIDFACE FRACTURES	
08:00 – 08:30		Midface Anatomy, Biomechanics, Buttressing and Surgical Approaches	Deleyiannis
08:30 – 09:00		Orbital and Zygomaticomaxillary Complex (ZMC) Fractures	Bailey
09:00 – 09:30		Nasal and Naso-Orbital-Ethmoid (NOE) Fractures	Powers
09:30 – 09:50		Secondary Corrections in the Orbitozygomatic Region	Pearson
09:50 – 10:10		Frontal Sinus Fractures	Kokoska
10:10 – 10:30		Coffee Break	
10:30 – 11:15	Wadsworth	MIDFACE FRACTURES (continued)	
10:30 – 10:50		Panfacial Fractures	Futran
10:50 – 11:10		Enophthalmos and Other Orbital Complications	Deleyiannis
11:10 – 11:15		Course AIRS Evaluation Questions	Deleyiannis
11:15 – 11:25		Pick Up Lunch – Travel to SGD	
11:25 – 12:40		Small Group Discussions: Midface Fracture Treatment	
12:40 – 12:45		Travel to Practical Exercise	
12:45 – 13:30	Bailey	PRACTICAL EXERCISE IV: 1. Orbital Fractures 2. Zygoma Fractures 3. Panfacial Fractures	
13:30		Course Adjourns	

Location Key

Activity	Area	Day	Time
Lecture/ Labs	Regency Ballroom	Saturday-Sunday	
Breakfast	Pegram	Saturday-Sunday	
Coffee Breaks	Foyer	Saturday-Sunday	
Lunch	Pegram	Saturday	1130-1230
with Small		Sunday	1120-1240
Group Discussions			
Small Discussion Groups			
Group A - Conductor Room			
Group B - Midway Suite IV			
Group C - Midway Suite III			
Group D - Midway Suite II			
Group E - Midway Suite I			
Faculty Resource Center & AO Course Office	Station Master Room	Saturday-Sunday	

Name Tag Identification

Gold – Faculty
White – Participants
Beige – AONA Support Staff
Grey – Vendors

Note:

AO North America (AONA) will have official photographers/videographers present at this Course; therefore, please note that any photographs/videos taken at the meeting may be used in future AONA publications, on the AONA web site, or in other Society materials.

Other picture taking and video or audio recording of lectures and labs is strictly prohibited.

Please turn off all pagers and cellular phones.

Presentation Information

Faculty Disclosure

It is the policy of AO North America to abide by the Accreditation Council for Continuing Medical Education Standards for Commercial Support. Standard 2: "Disclosures Relevant to Potential Commercial Bias and Relevant Financial Relationships of Those with Control over CME Content," requires all planners, including course directors, chairs, and faculty, involved in the development of CME content to disclose their relevant financial relationships prior to participating in the activity. Relevant financial relationships will be disclosed to the activity audience. The intent of the disclosure is not to prevent a faculty with a relevant financial or other relationship from teaching, but to provide participants with information that might be of importance to their evaluation of content. All potential conflicts of interest have been resolved prior to the commencement of this activity.

Conflict of Interest Resolution Statement

When individuals in a position to control or influence the development of the content have reported financial relationships with one or more commercial interests, AO North America utilizes a process to identify and resolve potential conflicts to ensure that the content presented is free of commercial bias.

Off-Label / Experimental Discussions

Some medical devices used for teaching purposes and/or discussed in AO North America's educational activities may have been cleared by the FDA for specific uses only or may not yet be approved for any purpose. Faculty may discuss off-label, investigational, or experimental uses of products/devices in CME certified educational activities. Faculty have been advised that all recommendations involving clinical medicine in this CME activity are based on evidence that is accepted within the profession of medicine as adequate justification for their indications and contraindications in the care of patients. All scientific research referred to, reported or used in this CME activity in support or justification of a patient care recommendation conforms to the generally accepted standards of experimental design, data collection and analysis.

Liability Statement

AO North America faculty and staff assume no personal liability for the techniques or the use of any equipment and accessories used for teaching purposes in the laboratory. The certificate provided pertains only to the participants' completion of the course and does not, in any way, attest to the proficiency of the participants' clinical experience.

Disclaimer

AONA does not endorse nor promote the use of any product/device of commercial entities. Equipment used in this course is for teaching purposes only with the intent to enhance the learning experience.

AOCMF Membership

**Providing a common ground for excellence
in craniomaxillofacial surgery**

**As an AOCMF member, you have
certain advantages that keep you
ahead in your field:**

- Online access to the Journal of Craniomaxillofacial Trauma & Reconstruction (JCMTR)
- Online access to selected journals on ScienceDirect
- Ability to submit and participate in online case discussions in CaseBase
- 25 % discount on AOCMF's Manual
- Principles of Internal Fixation of the Craniomaxillofacial Skeleton—Trauma and Orthognathic Surgery
- 10 % discount on all AO publications
- Online access to AOCMF teaching videos
- Access to additional cmf material on AO Surgery Reference
- Full access to AOCMF member directory
- Printed copy of the Journal of Craniomaxillofacial Trauma & Reconstruction (JCMTR)



BENEFIT OFFERINGS

Full-text online access to the CMTR Journal

Full-text online access to selected journals on ScienceDirect

Ability to submit and participate in online case discussions (CaseBase)

www.aocmf.org

Final Program

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Craniomaxillofacial Trauma and Reconstruction**

Course Location

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