



Principles of Operative Treatment of Craniomaxillofacial Trauma and Reconstruction



February 2, 2013 - February 3, 2013
Charlotte, North Carolina, USA

While a large number of CMF fractures are commonly the result of traumatic injury, many CMF surgeries are performed to address defects or secondary corrections. The diagnosis and treatment of these issues can present difficult challenges requiring multiple approaches. The most common treatment currently available is rigid internal fixation.

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:

Enrollment is open to both practicing surgeons and surgeons in training in the fields of OMFS, OTO, PRS, Ophthalmology, Oculoplastics, and Veterinary Medicine.

Event Summary

Tuition:

Level Name: Participant - Craniomaxillofacial
Pricing Tier: Resident
Tuition: \$0.00

Level Name: Participant - Craniomaxillofacial
Pricing Tier: Attending
Tuition: \$0.00

Course Prerequisite(s):

No Prerequisites

Venue:

Westin Charlotte
601 South College St.
Charlotte, NC, USA
Phone Number: 704-375-2600

Language(s):

English

Directly Provided by:



Professional Level Prerequisite(s):

No Prerequisites

CME

Continuing Education Credit: 13.00



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

Below Wording CMF Only- 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 13.00 **AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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, neurosurgery, 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:

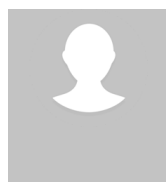
- Increase their knowledge base and surgical skill level
- Improve competence by applying advances of knowledge in patient care in the areas of trauma, degenerative disorders, deformities, tumors, and reconstructive surgical techniques
- Address practice performance gaps by improving management of aspects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

Learning Objectives

Upon completion, participants should be able to:

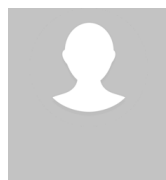
- describe the principles of stable internal fixation as outlined by the AO
- define the biological and mechanical aspects of fracture healing
- discuss the problems, complications and intraoperative difficulties that can result from internal fixation
- explain preoperative planning methods and outcome analysis
- apply the psychomotor skills developed in the practical exercises into surgical practice

Faculty



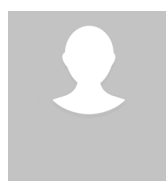
Goldman, Neal - Chairperson

MD
Facial Plastic and Reconstructive Surgery
The Goldman Center For Facial Plastic Surgery
Boone/Winston Salem, North Carolina



Davison, Steven - Co-Chairperson

DDS, MD
Professor
Department of Plastic Surgery
Georgetown University
Washington, District of Columbia



Stevens, Mark - Co-Chairperson

DDS
Professor
Department of Oral and Maxillofacial Surgery
Georgia Regents University
College of Dental Medicine
Augusta, Georgia



Kriet, J. David - Director

MD, FACS
Professor
Director, Facial Plastic & Reconstructive Surgery
Department of Otolaryngology - Head and Neck Surgery
The University of Kansas Health System
Kansas City, Kansas

Facial plastic surgeon, J. David Kriet's dedication to his art has helped improve the lives of countless patients. Since 1998, he has practiced in the University of Kansas Department of Otolaryngology as professor and Director of the Division of Facial Plastic and Reconstructive Surgery. As a leader among facial plastic surgeons, Dr. Kriet possesses an exceptional commitment to both his field and his patients. His involvement throughout the medical community is a testimony to his devotion and prowess in the specialty of facial plastic surgery. He has also written numerous articles on a variety of topics within facial plastic surgery. Dr. Kriet is a reviewer for the medical journal Archives of Facial Plastic Surgery and a member of the eMedicine online journal's facial plastic surgery editorial board. Dr. Kriet also takes the time to educate the public about health concerns and facial plastic surgery. He leads a series of wellness seminars entitled "The Timeless Face," sponsored by the University of Kansas Medical Center. These comprehensive seminars provide tips on preventing and reversing sun damage, teach participants the common warning signs of skin cancer, and offer the most current advice on cosmetic facial rejuvenation procedures. Dr. Kriet's popular seminars provide the public with information that can have a tremendous impact on health and appearance. Dr. Kriet makes medical mission work an important part of his life. During a 12-day trip to Nepal, he performed cleft lip surgeries and taught Nepalese physicians new rhinoplasty techniques. He also trekked to remote villages in the Himalayan mountains and provided much-needed medical care. Closer to home, Dr. Kriet participates in FACE TO FACE: The National Domestic Violence Project.



Deleyiannis, Frederic - Lecturer

MD, MPhil, MPH, FACS
Dr
UCHealth Memorial Hospital
Colorado Springs, Colorado

Dr. Deleyiannis is a graduate of the University of Pennsylvania, Yale University School of Medicine, and the University of Cambridge in England. He is board certified in both Otolaryngology (Residency: University of Washington) and Plastic Surgery (Residency: University of Pittsburgh). As a former Professor of Plastic Surgery and Otolaryngology at the University of Colorado, his practice was devoted to facial and head and neck reconstruction, cleft surgery, and microvascular surgery. Presently, in Colorado Springs Dr. Deleyiannis' practice continues to focus on complex craniofacial reconstruction, facial trauma, and microvascular surgery of the head and neck, extremities, and breast / trunk. His pediatric and international health practice, focused on microtia, is now fully supported by the John Lester Foundation.

**Frodel, John - Lecturer**

MD

Facial Plastic and Reconstructive Surgery

Guthrie Medical Group, P.C.

Ithaca, New York

John Frodel, MD is board-certified with the American Board of Facial Plastic and Reconstructive Surgery and the American Board of Otolaryngology. He received his medical degree from the University of Washington, School of Medicine prior to completing training in General Surgery at Harvard Surgical Service in Boston and his residency in Otolaryngology-Head and Neck Surgery at the University of Washington in Seattle. In addition, he completed a Fellowship in Facial Plastic Surgery at the University of California in San Francisco. Dr. Frodel has been a full-time academic faculty member at the University of Iowa School of Medicine, the Johns Hopkins University School of Medicine, and the University of New Mexico School of Medicine, and at the Geisinger Medical Center, and now the Guthrie Medical Group. His special interests include complex revision cranio-orbital surgery, facial reconstructive surgery, functional nasal surgery and rhinoplasty, and aging facial rejuvenation surgery, as well as facial implant surgery. He has served in executive leadership positions with the American Academy of Facial Plastic Surgery, the American Board of Facial Plastic Surgery, and with AO North America.

**Gandhi, Parag - Lecturer**

MD, FACS

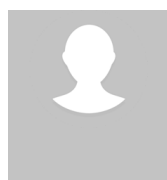
Oculofacial & Orbital Surgery

Maryland Eye & Face

Univ of Maryland Hospitals

Baltimore, Maryland

After completing an ASOPRS (Oculofacial Plastic & Reconstructive Surgery) Fellowship in 2006, Dr. Gandhi joined Duke Ophthalmology in the division of Oculofacial Plastic & Orbital Surgery at Duke Eye Center, with a clinical practice at the Winston Salem satellite and academic appointment at Duke University School of Medicine. During his appointment at Duke, his practice mix included both functional and aesthetic periocular surgery, and multidisciplinary collaborative cases with ENT, OMFS, and others. Dr. Gandhi was accepted to AOCMF Faculty in 2010, and has been faculty on numerous MFT and Advanced Orbit courses, as well as the Ballistics Course since then. He has been an invited speaker on orbital reconstruction topics at international AOCMF Conferences in Mexico City and San Jose, Costa Rica. Since being selected for the AOCMF Online Faculty in 2020, Dr. Gandhi has been a speaker and moderator for two AO Davos Courses, as well as a number of Study Club and AO Latin America lecture and case discussions. Over his years in practice, he has held course director roles at AAO (Ophthalmology) Annual Meetings, and Committee leadership positions with ASOPRS. He has also served various teaching and team lead roles on numerous international humanitarian missions working with a variety of NGO's focused on developing global surgery and education programs in periocular and facial reconstructive surgery - in places like Mongolia through Virtue Foundation NY; Ecuador with SEE International; and more recent team-based outreach projects in Honduras, Morocco, and Ukraine. He has been an Associate Faculty of the ASOPRS Fellowship at Sinai Hospital of Baltimore since 2018. Currently Dr. Gandhi is Chair of the Global Outreach Committee of ASOPRS, and was a recipient of the 2019 American Academy of Ophthalmology Achievement Award. In Baltimore, he founded Maryland Eye & Face in 2020 - a practice specializing in oculofacial, orbital & reconstructive surgery, and remains active with teaching and mentoring trainees locally, and through state and national societies. He continues to collaborate internationally in developing sustainable surgical training programs. Being part of the camaraderie and multispecialty patient-focused collaborative spirit of the AO has been one of the most rewarding experiences of his career.

**Granick, Mark - Lecturer**

MD

Professor and Chief

Division of Plastic Surgery

New Jersey Medical School

Newark, New Jersey

**Kellman, Robert - Lecturer**

MD, FACS

Professor and Chair Emeritus

Department of Otolaryngology & Communication Sciences

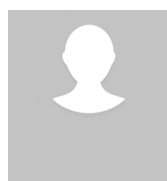
SUNY Upstate Medical University

Staff Physician

St Joseph's Medical System

Syracuse, New York

Bob Kellman has a long history with the AO, chairing the Amelia Island Craniomaxillofacial Course in 1984 and having participated in numerous courses since. He has always maintained a keen interest in CMF Trauma, and it has been a main focus of his practice for decades. He enjoys teaching and participating in AO courses for the wonderful educational experiences that they provide.

**Liao, Han-Tsung - Lecturer**

MD, PhD

Dr

Chang Gung Memorial Hospital

Taoyuan

**MacLeod, Stephen - Lecturer**

BDS, MBChB, FDSRCS, FRCS, FACS, FFST

Professor

Chief, Oral and Maxillofacial Surgery and Dental Medicine

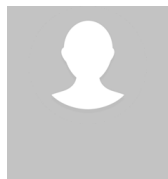
Program Director

Oral and Maxillofacial Surgery Residency

Loyola University

Maywood, Illinois

Stephen MacLeod BDS, MB ChB, FDS RCS (ED&ENG), FRCS (ED), FFST RCS (ED), FACS, FFST Stephen MacLeod is the Chief of Oral & Maxillofacial Surgery and Dental Medicine and Program Director of the Oral and Maxillofacial Surgery Residency Program at Loyola University Medical Center. Dr. MacLeod is a graduate of the University of Dundee School of Dentistry. His medical degree is from the University of Aberdeen in Scotland. Dr. MacLeod completed his training in oral and maxillofacial surgery in Scotland and was an AO Fellow at the University of Louisville. Dr. MacLeod has been actively involved in research, postgraduate training and education. He has multiple publications and has presented his original research at both national and international meetings. Dr. MacLeod practices full-scope oral and maxillofacial surgery. His clinical interests are reconstructive surgery, maxillofacial trauma, and benign bone pathology. He is particularly involved in faculty development and training in non-technical skills for surgeons.

**Mirali, Reza - Table Instructor**

MD, FACS

MD

Assistant Professor of Surgery

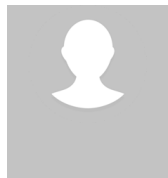
Inova-VCU

Assistant Professor of Plastic Surgery

Georgetown University Medical Center

Fairfax Hospital

Falls Church, Virginia

**Sclaroff, Allen - Lecturer**

DDS

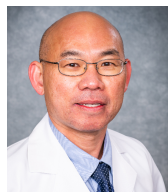
Professor, Otolaryngology / Oral & Maxillofacial Surgery

Chief, Division Oral and Maxillofacial Surgery

Washington University School of Medicine

Department Otolaryngology / Head and Neck Surgery

St. Louis, Missouri

**Sittitavornwong, Somsak - Table Instructor**

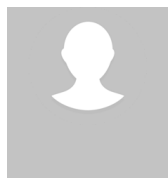
DDS, DMD, MS

Dr.

Department of Oral & Maxillofacial Surgery

The University of Alabama at Birmingham

Birmingham, Alabama

**Villaret, Douglas - Lecturer**

MD

Dr

CEENTA

Charlotte, North Carolina

AO NA Disclaimer 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.

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.

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.

USE THE BELOW TEXT FOR DIDACTIC COURSES ONLY!

The opinions or views expressed in this live continuing medical education activity are those of the faculty and do not necessarily reflect the opinions or recommendations of AO North America or any commercial supporter. The certificate provided pertains only to the participants' completion of the course.

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.

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.

Laboratory Waiver:

To participate in this surgical skills course, you will be required to sign a waiver of liability prior to the course. In order to participate, AONA's policy mandates that every individual must wear appropriate protective garments provided by AO NA during the lab sessions. Participants who do not sign the waiver and wear protective garments will not be allowed to participate in the laboratory sessions.

Human Anatomic Specimens:

This course will involve exposure to and contact with human anatomic specimens. These specimens are being utilized for purposes of teaching and learning and are to be treated with the utmost respect. Participants should be familiar with and understand the potential risks involved and will be required to observe all customary safety procedures.

Animal Anatomic Specimens:

This course will involve exposure to and contact with animal anatomic specimens. These specimens are being utilized for purposes of teaching and learning and are to be treated with the utmost respect. Participants should be familiar with and understand the potential risks involved and will be required to observe all customary safety procedures.

Acknowledgment

In-Kind Support

AO North America gratefully acknowledges in-kind support for equipment and technical staff from J&JMedTech.

Educational Grant

AO North America gratefully acknowledges funding for its education activities from the AO Foundation. The AO Foundation receives funding for education from Synthes GmbH.