



## Pre-Course Symposium: Concepts in Reconstruction of Facial Trauma Following Initial Management



October 20, 2017 - October 20, 2017

Arlington, Virginia, USA

AOCMF North America Pre-Course Symposium: Concepts in Reconstruction of Facial Trauma Following Initial Management

### Event Summary

**Tuition:**

Level Name: Participant - Craniomaxillofacial

Pricing Tier: Attending

Tuition: \$0.00

Level Name: Participant - Craniomaxillofacial

Pricing Tier: Fellow

Tuition: \$0.00

Level Name: Participant - Craniomaxillofacial

Pricing Tier: Resident

Tuition: \$0.00

**Course Prerequisite(s):**

No Prerequisites

**Venue:**

Doubletree Crystal City

300 Army Navy Drive

Arlington, VA, USA

Phone Number: 703-416-4100

**Please Note:** This course is available to physicians only.

**Language(s):**

English

**Directly Provided by:**

North America

**Professional Level Prerequisite(s):**

- Residency Year 1
- Residency Year 2
- Residency Year 3
- Residency Year 4
- Residency Year 5
- Residency Year 6
- Residency Year 7
- Residency Year 8
- Fellow
- Student
- Practicing

## CME

### Continuing Education Credit: 3.75



- AO North America is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.
- AONA has been resurveyed by the Accreditation Council for Continuing Medical Education (ACCME) and awarded Accreditation with Commendation.

#### 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 3.75 **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:**

- Discuss recent technological advances in craniomaxillofacial and reconstructive surgery
- Describe the management options for treatment of congenital defects and orbital fractures
- Discuss the importance of preoperative planning and intra-operative management of traumatic injuries to avoid complications and improve outcomes
- Describe the problems, complications and intraoperative difficulties that can result from internal fixation
- Identify treatment options for common post-operative complications of fracture repair
- Discuss the benefits of interdisciplinary treatment utilized for restoration of craniomaxillofacial form and function
- Explain appropriate handling of hard and soft tissue problems in challenging cases
- Describe reconstructive procedures and surgical techniques that are most effective in correcting injuries to specific anatomical regions of the face

## Faculty



### Bitonti, David - Chairperson

DMD

Clinical Associate Professor in Surgery

Department of Surgery

F. Edward Hébert School of Medicine

Uniformed Services University of the Health Sciences

Oral and Maxillofacial Surgeon, Plastic and Oral Maxillofacial Surgery Department

Children's Hospital of the King's Daughters

Norfolk, Virginia

Dr. David A. Bitonti, CAPT (Ret), DC, USN received his BA in Chemistry from Saint Vincent College and DMD degree from the University of Pittsburgh School of Dental Medicine. He completed Oral and Maxillofacial Surgery residency training at the University of Texas Health Science Center San Antonio, and is a Diplomate of the American Board of Oral and Maxillofacial Surgery. Following dental school, Dr. Bitonti was commissioned in the U. S. Navy Dental Corps. He was assigned to a number of duty stations, including three ship tours, two aboard the aircraft carrier USS Enterprise CVN-65. Following residency and a second ENTERPRISE tour, he joined the full time faculty as the Associate Program Director, National Capital Consortium (NCC) Oral and Maxillofacial Surgery Residency at the National Naval Medical Center (NNMC), Bethesda, MD. His next assignment was as Associate Professor and Chairman, Department of Oral and Maxillofacial Surgery, Naval Postgraduate Dental School (NPDS), National Naval Dental Center, Bethesda, MD. Following NPDS, CAPT Bitonti was named the Head, Department of Oral and Maxillofacial Surgery and Hospital Dentistry, NNMC. Follow on assignments included Director for Surgical Services (Chief of Surgery); Deputy Commander for Integration and Transition, and Chief of Staff for Integration and Transition, NNMC; and Chief of Staff for Integration and Transition, and Senior Military Advisor to the Commander, Walter Reed National Military Medical Center (WRNMMC); and Commanding Officer, Naval Support Activity Bethesda, Bethesda, MD. He retired following 30 years of active duty Navy service, and spent two years in private practice. Dr. Bitonti then joined the staff at the Hampton Veterans Affairs Medical Center (VAMC) as the Dental Service Chief and Oral and Maxillofacial Surgeon and retired from the VA in February 2023. He is presently a member of the Plastic and Oral Maxillofacial Surgery Department at Children's Hospital of the King's Daughters. Dr. Bitonti practices the full scope of oral and maxillofacial surgery, is a Past President of the American Board of Oral and Maxillofacial Surgery; Fellow, A AOMS; Fellow, IAOMS; Fellow, American College of Dentists; Fellow, International College of Dentists; in addition to other organizations and committee appointments. Dr. Bitonti has a special interest in the management and surgical treatment of trauma and obstructive sleep apnea.



### Bourgeois, Sidney - Lecturer

DDS

Dr.

Chief, Dental Service

Syracuse VA Medical Center

Clinical Instructor

SUNY - Upstate Medical University

Department of Surgery/Division of Dentistry

Syracuse, New York

Dr. Bourgeois was born in Gulfport, Mississippi and raised in Picayune, Mississippi. He graduated from the University of Notre Dame in 1987 and the Louisiana State University School of Dentistry in May 1991. He received his commission as a Lieutenant in the Dental Corps, United States Navy in January 1993. Dr. Bourgeois first reported to Naval Dental Center Charleston, South Carolina in April 1993. While assigned to NDC Charleston he rotated through all dental specialties in preparation for his next assignment. He then reported to the then San Diego based USS JUNEAU (LPD 10) as Dental Officer in April 1994. While assigned to JUNEAU, he earned his Combat Information Center Watch Officer, Officer of the Deck, Surface Warfare Officer, Command Duty Officer and Tactical Action Officer qualifications. He also completed two WESTPAC deployments in USS JUNEAU. In June 1996, Dr. Bourgeois reported to Naval Dental Center San Diego, California for duty as Division Officer, General Dentistry Department. He then took responsibility as Branch Director, Branch Dental Clinics Fleet Industrial Supply Center San Diego, Naval Weapons Station Seal Beach, California, and Naval Air Facility El Centro, California. Dr. Bourgeois was selected for Federal Training Out Service and entered the Oral and Maxillofacial Surgery Residency at the University of Texas Health Sciences Center San Antonio, Texas in July 1998. Based on his performance during his initial three years, he was selected as the service's Administrative Chief Resident in his final year in the program. In July 2002, Dr. Bourgeois reported to National Naval Medical Center as Oral and Maxillofacial Surgery staff, USNS Comfort Detachment. He deployed to the North Arabian Gulf in USNS Comfort T-AH-20 in support of Operation Iraqi Freedom. He additionally served as Faculty, National Capital Consortium Oral and Maxillofacial Surgery Residency. In August 2005, Dr. Bourgeois reported to the San Diego based, USS NIMITZ (CVN 68) where he served as Department Head, Dental Department and Oral and Maxillofacial Surgeon. He deployed once again to the Northern Arabian Gulf while in NIMITZ. In August 2006, Dr. Bourgeois resigned his Commission in the United States Navy and joined the faculty at University of Texas Health Sciences Center in San Antonio, Texas as a Clinical Assistant Professor. In December 2007, Dr. Bourgeois assumed duties as Chief, Oral and Maxillofacial Surgery, South Texas Veterans Medical Center, Audie L. Murphy Division. In October 2010, he assumed duties as Chief, Oral and Maxillofacial Surgery, Syracuse New York Veterans Affairs Medical Center. In December 2013, he assumed duties as Chief, Dental Service, Syracuse, New York Veterans Affairs Medical Center. He is also Clinical Instructor, SUNY Upstate Medical University, Department of Surgery, Dental Division. He is a Diplomate of the American Board of Oral and Maxillofacial Surgery and a member of the Examination Committee of the American Board of Oral and Maxillofacial Surgery. He is a Diplomate of the National Dental Board of Anesthesiology. He is a Fellow of the American Association of Oral and Maxillofacial Surgeons, the International Association of Oral and Maxillofacial Surgeons, and American Dental Society of Anesthesiology. He is a member of the American Dental Association, Onondaga County Dental Society, Academy of Osseointegration, American Dental Education Association and associate member American Academy of Oral and Maxillofacial Radiology. He has served on the Board of Directors and as Treasurer for the Onondaga County Dental Society and is currently serving as its Secretary. Dr. Bourgeois' awards and decorations include the Meritorious Service Medal, Navy and Marine Corps Commendation Medal (two awards), the Navy and Marine Corps Achievement Award (three awards), Navy Unit Commendation, Meritorious Unit Commendation (three awards), Battle Efficiency Award (two awards), Global War on Terrorism Expeditionary Medal, Global War on Terrorism Service Medal, Sea Service Deployment Ribbon (two awards), and various other service and campaign ribbons.

**Cunningham, Larry - Lecturer**

MD, DDS, FACS, FICD

Professor

Waco Center for Oral and Maxillofacial Surgery  
Waco, Texas

After having spent over 20 years in education at two different teaching centers, Dr. Cunningham recently entered private practice in Waco, TX. Dr. Cunningham is a past president of the American Board of Oral and Maxillofacial Surgeons and is an AOCMF Educational Board member. His clinical interests include orthognathic surgery, facial trauma and reconstruction, and temporomandibular joint surgery. Dr. Cunningham is a Fellow of the American Association of Oral and Maxillofacial Surgeons and is a Diplomate of the American Board of Oral and Maxillofacial Surgery.

**Doerr, Timothy - Lecturer**

MD, FACS

Director of Facial Plastic Surgery

Professor

Department of Otolaryngology-Head &amp; Neck Surgery

University of Rochester Medical Center

Rochester, New York

Dr. Doerr is a professor in the Department of Otolaryngology Head and Neck Surgery at the University of Rochester where he is director of facial plastic surgery. He is heavily involved in resident education and was the residency program director for nearly 10 years. His primary clinical interests include facial trauma management, skin cancer treatment, reconstruction, and rhinoplasty. He has been an AO faculty member for more than 23 years and identifies participation in the AO as his most rewarding professional activity.

**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.

**Gal, Thomas - Lecturer**

MD, MPH, FACS

Division of Head and Neck Oncology,

Microvascular Surgery and Maxillofacial Trauma

Department of Otolaryngology

University of Kentucky

Lexington, Kentucky

Dr. Thomas Gal is a Professor of Otolaryngology at the University of Kentucky. He is fellowship trained in Head and Neck Oncology and Microvascular Reconstruction. His clinical interests include head and neck oncology, head and neck reconstruction, and maxillofacial trauma, particularly minimally invasive and endoscopic approaches to the maxillofacial skeleton. Dr. Gal is a Fellow of the American College of Surgeons and Board Certified in Otolaryngology-Head and Neck Surgery.

**Latham, Kerry - Lecturer**

MD, FACS

Plastic Surgeons of Alaska

Associate Professor of Surgery and Pediatrics - USUHS

Anchorage, Alaska

Dr. Kerry Latham is a Craniofacial Plastic surgeon in Anchorage Alaska

**Schmalbach, Cecelia - Lecturer**

MD, MSc, FACS

David Myers, MD Professor &amp; Chair

Department of Otolaryngology – Head &amp; Neck Surgery

Director, Temple Head &amp; Neck Institute

Lewis Katz School of Medicine

Temple University

Philadelphia, Pennsylvania

Cecelia E. Schmalbach, MD, MSc, FACS is the David Myers, MD Professor and Chair of Otolaryngology-Head & Neck Surgery, Lewis Katz School of Medicine at Temple University where she also serves as the Director of the Temple Head & Neck Institute. She earned her medical degree from Jefferson Medical College. After finishing otolaryngology residency at the University of Michigan—during which she earned a Master of Science in Clinical Research Design & Statistics—Dr. Schmalbach completed her head and neck (H&N)-microvascular surgery fellowship at Vanderbilt University. Dr. Schmalbach previously served as the Indiana University Vice Chair of Otolaryngology and H&N Surgery Division Chief. She is the former otolaryngology program director at the University of Alabama in Birmingham and served eight years active duty in the U.S. Air Force at the San Antonio Military Medical Center where she was Director of Research, Chief Ombudsman and deployed in support of Operation Enduring Freedom (Afghanistan). She held faculty appointments in Plastic Surgery and Otolaryngology at the University of Texas San Antonio during that time. Dr. Schmalbach is recognized for her expertise in HN cutaneous cancers and has extensive experience in endocrine surgery, mucosal neoplasms and facial trauma. She has been on AO CMF faculty for over a decade and has completed the Faculty Education, Chair Education, and Leadership Education Programs. Her scientific contributions include research in sentinel node biopsy, advanced skin cancer management and patient safety/quality improvement. She served as the Deputy Editor for Otolaryngology-Head & Neck Surgery, is the national Coordinator of Research & Quality for the American Academy of Otolaryngology (AAO-HNS/F) and Chair of the Skin Cancer/Melanoma Section for the American Head and Neck Society. She is a fellow of the American College of Surgeons and recipient of numerous awards including: the AAO-HNS/F Distinguished Service Award, AAO-HNS/F Cochrane Scholar Award, United States Air Force Meritorious Service Medal and NATO Medal. She has also completed all three phases of AO North America's Faculty Development programs (faculty education, chair education and leadership education).

**Taylor, Helena - Lecturer**

MD, PhD, FACS

Plastic Surgery

Mount Auburn Hospital

Harvard Medical School

Cambridge, Massachusetts

Dr. Taylor is a plastic surgeon in Cambridge Massachusetts. She obtained her PhD in Crystallography from Cambridge University and her MD from Harvard Medical School, where she stayed on to complete her Plastic Surgery training. She was a fellow in Craniofacial Surgery at the Hospital for Sick Children in Toronto. From 2009 to 2016 she was Co-Director of the Craniofacial Center at Hasbro Children's Hospital and Rhode Island Hospital, where she was an Associate Professor of Surgery at Alpert Medical School of Brown University. In 2016 she returned to the Boston area, and Harvard Medical School, and has a broad practice at Mt Auburn Hospital. Her research interests focus on outcomes in craniofacial surgery, and three-dimensional imaging and image guidance in plastic surgery.

**Woo, Albert - Lecturer**

MD, FACS

Professor of Surgery, Neurosurgery and Pediatrics

Director, Craniofacial Program

Division Chief, Pediatric Plastic Surgery

Director, Lifespan 3D Printing Lab

Co-Director, Lifespan Neuroplastic Institute

The Warren Alpert Medical School of Brown University

Providence, Rhode Island

Dr. Woo is a plastic surgeon specializing in the field of craniofacial surgery. He is a professor of surgery, pediatrics and neurosurgery at Brown University. He serves as chief of pediatric plastic surgery, director of the craniofacial program, director of the Lifespan 3D Printing Lab and co-director of the Lifespan Neuroplastic Surgery Institute.

## Agenda

### Day 1

**Friday, October 20, 2017 - 13:00 - 17:00 - (includes breaks, travel-time and meals)**

Schedule	Title	Moderator	Faculty	Room
13:00 - 13:10	Introduction		Bitonti, D	
13:10 - 14:50	MANAGEMENT OF HARD TISSUES DEFECTS	Doerr, T		
13:10 - 13:30	Secondary Mandibular Reconstruction		Gal, T	
13:30 - 13:50	Secondary Maxillary and Midface Reconstruction		Schmalbach, C	
13:50 - 14:10	Current Concepts in Custom Implant Facial Augmentation		Frodel, J	
14:10 - 14:30	Complex Orbital Reconstruction and Secondary Repair		Woo, A	
14:30 - 14:50	Autologous Cranioplasty		Taylor, H	
14:50 - 15:10	Coffee Break			
15:10 - 17:00	SOFT TISSUE AND FUNCTIONAL REPAIR	Bitonti, D		
15:10 - 15:30	Scar Management and Revision Techniques		Bourgeois, S	
15:30 - 15:50	Concepts in Facial Soft Tissue Management and Augmentation		Latham, K	
15:50 - 16:10	Post-Traumatic Nasal Reconstruction-Function and Form		Doerr, T	
16:10 - 16:30	Prosthodontic Rehabilitation		Bitonti, D	
16:30 - 17:00	Trigeminal Nerve Injury		Cunningham, L	
17:00 - 17:00	Pre-course Symposium Adjourns			



## 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:

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.

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### 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

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