



AO CMF NA Course—Maxillofacial Reconstruction: A Focus on Ballistic Injury Management

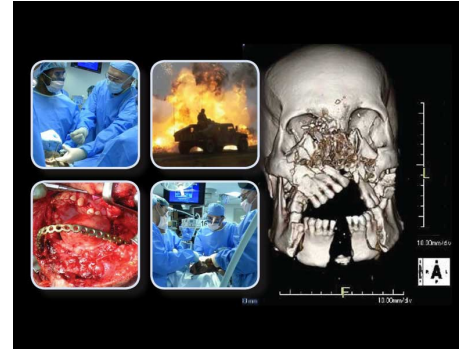


January 7, 2022 - January 9, 2022
Rosemont, Illinois, USA

Over 18,000 firearm injuries occur in the head and neck region annually in the US (CDC) plus additional head and neck injuries (58,000) from attempted suicides and intentional injuries.

There is a critical need for a comprehensive protocol to manage maxillofacial injuries in each trauma center.

Join a select group of your peers and a nationally prominent multidisciplinary faculty (including AO military experts) to gain practical and immediately applicable skills through extensive cadaver use. This 2 ½ day course emphasizes practical lectures and hands-on experiences from planning a **cutting-edge reconstruction procedure for the tertiary reconstruction of an individual's craniomaxillofacial wound to performing the reconstruction of both hard-tissue and soft-tissue defects under expert mentors in a 3:1 student to expert faculty ratio.**



Target Audience

This course is designed for practicing surgeons in the fields of Oral and Maxillofacial Surgery, Otolaryngology, Plastic and Reconstruction, Ophthalmology and Oculoplastics. Residents and Fellows will also find this course beneficial. Prior completion of a Management of Facial Trauma course is highly recommended.

Space is limited. The demand for this course is high. We recommend registering early to save your spot.

Event Summary

Tuition:

Level Name: Participant - CMF
Pricing Tier: Resident
Tuition: \$1,275.00

Level Name: Participant - CMF
Pricing Tier: Attending
Tuition: \$1,350.00

Course Prerequisite(s):

No Prerequisites

Venue:

OLC Education & Conference Center
9400 W. Higgins Road, Suite 100
Rosemont, Illinois, USA
Phone Number: 847-384-4210
OLCEvents.com

Language(s):

English

Directly Provided by:



Professional Level Prerequisite(s):

No Prerequisites

CME

Continuing Education Credit: AMA

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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.

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 [Hours Pending] **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:

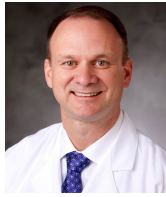
- Increase their knowledge base and surgical skill level
- Improve competence by applying advances of knowledge in patient care in the areas of trauma, degenerative disorders, deformities, tumors, and reconstructive surgical techniques
- Address practice performance gaps by improving management of aspects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

Learning Objectives

Upon completion, participants should be able to:

- Display current knowledge regarding ballistic wound surgical planning and intra-operative management in the field of Craniomaxillofacial Surgery
- Identify appropriate applications for pre-surgical planning and intra-operative management for treatment of traumatic, avulsive tissue-loss injuries
- Demonstrate the psychomotor skills necessary to perform both pre-surgical planning and intra-operative techniques including immobilization of soft tissues to adequately reconstruct avulsive soft tissue defects of the head / neck region
- Discuss the applicability of computer-aided techniques when analyzing post-operative results and outcome analysis
- Evaluate the problems, complications and intra-operative difficulties that can result from the application of these approaches

Faculty

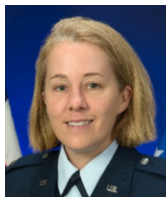


Powers, David - Chairperson

MD, DMD, FACS, FRCS(Ed)
Professor of Surgery
Director, Duke Craniomaxillofacial Trauma Program
Fellowship Director, Craniomaxillofacial Trauma and Reconstructive Surgery
Vice Chair and Chief of Oral & Maxillofacial Surgery
Division of Plastic, Maxillofacial and Oral Surgery
Duke University Medical Center

Durham, North Carolina

Dr. Powers surgical experience in facial trauma was attained during a military career highlighted by the acute management of ballistic and other injuries of warfare, as well as performing secondary and tertiary facial reconstructive surgery during various staff assignments at Wilford Hall USAF Medical Center, the National Naval Medical Center – Bethesda and the R Adams Cowley Shock Trauma Center in Baltimore, Maryland. He lectures and has published extensively on the management of ballistic injuries to the craniomaxillofacial skeleton, comprehensive reconstruction techniques, and the use of computer-aided surgical planning and patient-specific implants for anatomic rehabilitation after catastrophic injuries. He serves as the Director of the Duke University Medical Center Craniomaxillofacial Trauma Program, as well as the Director of Duke's Craniomaxillofacial Trauma and Reconstructive Surgery Fellowship training program.



Latham, Kerry - Co-Chairperson

MD, FACS
Deputy Chair Department of Surgery -USUHS
Associate Professor of Surgery and Pediatrics - USUHS
USUHS
Bethesda, Maryland

Dr. Kerry Latham is a Craniofacial Plastic surgeon at Walter Reed National Military Medical Center in Bethesda MD. Dr. Latham, interested in craniofacial trauma, pediatric craniofacial surgery, global surgery and surgical education. Dr. Latham is as Associate Professor of Surgery and Pediatrics at the Uniformed Services University of the Health Sciences in Bethesda, MD. She is a graduated Squadron Commander where she oversaw over 200 personnel for Joint Base Andrews Ambulatory surgery Center and Outpatient Surgical Clinics. Now She serves as the Deputy Chair of the Department of Surgery for USUHS in Bethesda Maryland.



Miles, Brett - Co-Chairperson

DDS, MD, FACS
Professor and Vice Chair
Department of Otolaryngology & Head and Neck Surgery
Northwell Health
New York, New York

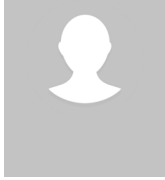
Dr. Miles is a dual trained Oral and Maxillofacial surgeon, and Otolaryngologist Head and Neck surgeon and is the Co-Chief of the Division of Head and Neck Oncology at the Department of Otolaryngology at the Mount Sinai Health System in New York City. He is the fellowship director for the AHSN accredited head and neck oncology and microvascular surgery fellowship at Mount Sinai Hospital in New York. He has clinical expertise in head and neck oncology/microvascular surgery, robotic surgery, and complex reconstructive surgery and oral/maxillofacial surgery/trauma.



Tollefson, Travis - Director

MD, MPH, FACS
Director, Facial Plastic & Reconstructive Surgery
Co-Director, UC Davis Cleft & Craniofacial Program
Director, Wellness and Mentorship
Otolaryngology-Head & Neck Surgery
University of California, Davis
Sacramento, California

Travis T. Tollefson MD MPH FACS Dr. Tollefson is the proud father of Theo, a toddler who has humbled him by making him take days off. Theo is already an avid Jayhawk basketball fan, as any well informed gentleman should be. He is Professor and Director of Facial Plastic & Reconstructive Surgery at the University of California Davis, where he specializes in cleft and pediatric craniofacial care, facial reconstruction and facial trauma care. -His interest in the emerging field of Global Surgery and improving surgical access in low-resource countries led him to complete an MPH at the Harvard School of Public Health. He helps lead the CMF arm of the AO-Alliance.org, whose goal is to instill AO principles in facial injuries in low resource settings. -His current research is focuses on clinical outcomes of patients with cleft lip-palate, facial trauma education in Africa, patterns of mandible fracture care, and patient reported outcomes in facial paralysis surgeries. He coedited, Complete Cleft Care, an evidence-based textbook on team management of cleft lip-palate. He serves as his department's Director of Wellness and Mentoring, co-director of the UC Davis Cleft Team. He serves on the Board of Directors of the American Board of Otolaryngology- Head and Neck Surgery, American Academy of Facial Plastic Surgery, and is the Editor-In-Chief for Facial Plastic Surgery and Aesthetic Medicine journal (formerly JAMA - Facial Plastic Surgery).

**Bell, Randy - Lecturer**

MD
Chief, Neurological Surgery
Walter Reed National Military Medical Center
Professor of Surgery
Uniformed Services University of Health Sciences
Bethesda, Maryland

Dr. Randy S. Bell CAPT, MC, USN received his medical degree from the University of Arizona in Tucson, AZ and proceeded immediately to active duty in the United States Navy. He then received his neurosurgery training at the Walter Reed National Military Medical Center and the National Naval Medical Center in Bethesda, Maryland, and fellowship training in cerebrovascular neurosurgery and interventional neuroradiology at the Washington Hospital Center in Washington, DC. Following his training, he completed a tour at the Naval Hospital-Okinawa Japan in 2010-11, and was deployed as the sole neurosurgeon for combat operations in Southern Afghanistan in 2013. Dr. Bell is now a Professor of Surgery at the Uniformed Services University of Health Sciences, and Chief of Neurosurgery at the Walter Reed National Military Medical Center. He has cared for numerous patients with complex craniofacial penetrating injuries over his many years of active duty service during a time of high operational tempo. He has published numerous manuscripts on the diagnosis and management of patients who have suffered penetrating central nervous system trauma, and has specific research interests in traumatic cerebrovascular injury and craniofacial reconstruction.

**Bevans, Scott - Lecturer**

MD
Associate Professor, Uniformed Services University
Facial Plastic & Reconstructive Surgery
Head & Neck Oncology, Microvascular Surgery
Department of Otolaryngology
Tripler Army Medical Center
Honolulu, Hawaii

I am an Army otolaryngologist- currently stationed at Tripler Army Medical Center in Honolulu, Hawaii. I have completed fellowship training in Facial Plastic and Reconstructive Surgery as well as Head and Neck Oncology, Microvascular Surgery. Prior to moving to paradise, I served as the Chief of Facial Trauma Surgery at Brooke Army Medical Center (the DoD's only level 1 trauma center located in San Antonio, TX) for 5 years. While in San Antonio, I had the opportunity to deploy with a Head & Neck Trauma Team to Iraq during in service of Operation Inherent Resolve. Currently, I am the Associate Program Director for the Army Otolaryngology program at Tripler where I derive great satisfaction from my role as a surgical educator. I teach Head & Neck Oncologic Surgery, Facial Plastic & Reconstructive Surgery and take facial trauma call at Queen's Medical Center (the only level 1 trauma center in Hawaii). I am married with two girls in elementary school and enjoy watching them develop in compassionate humans (mostly thanks to my wife).

**Cunningham, Larry - Lecturer**

DDS, MD, FACS, FICD
Professor and Chief
Department of Oral and Maxillofacial Surgery
Associate Dean of Hospital Affairs
University of Pittsburgh School of Dental Medicine
Pittsburgh, Pennsylvania

Dr. Cunningham is Professor and Chair of the Department of Oral and Maxillofacial Surgery at the University of Pittsburgh School of Dental Medicine. He currently serves on the ABOMS Board of Directors and as 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 Diplomat of the American Board of Oral and Maxillofacial Surgery.

**Deeb, Robert - Lecturer**

MD
Director-Division of Facial Plastic and Reconstructive Surgery
Department of Otolaryngology-Head and Neck Surgery
Henry Ford Health System
Clinical Associate Professor
Wayne State University-School of Medicine
Detroit, Michigan

Dr. Deeb is the Director of the Division of Facial Plastic and Reconstructive Surgery at Henry Ford Health System in Detroit, Michigan. He received his medical degree from Wayne State University-School of Medicine. He completed residency in Otolaryngology-Head and Neck surgery at Henry Ford Health System and performed additional fellowship training at the Mount Sinai Medical Center (NYC) in Facial Plastic and Reconstructive Surgery. He is double board certified by both the American Board of Otolaryngology-Head and Neck Surgery as well as the American Board of Facial Plastic and Reconstructive Surgery. He is a clinical associate professor at Wayne State University-School of Medicine. His clinical interests include: cosmetic and functional rhinoplasty, reconstructive surgery of the head and neck, maxillofacial trauma and facial rejuvenation. He has authored numerous publications in peer-reviewed journals as well as several book chapters. He is active in humanitarian mission work, traveling abroad regularly to perform reconstructive procedures on underserved and refugee populations.

**Flint, Robert L. - Lecturer**

DMD, MD, FACS, FACD
Assistant Professor
Department of Oral and Maxillofacial Surgery
University of Louisville
Louisville, Kentucky

Dr. Flint is a native of Utah. He completed his specialty training in Oral and Maxillofacial Surgery at the University of Louisville in 1996 and then returned to Utah where he was in solo private practice for 20 years. He sold his practice and returned to the University of Louisville in 2016 where he has taken a full time faculty position as an Assistant Professor in the Department of Oral and Maxillofacial Surgery. He is involved in teaching undergraduate dental students, is currently the Residency Program Director, and sees private patients in Faculty Practice. He especially enjoys facial trauma and reconstructions. He is the Surgical Director for P.A.G.E.S Operation H.O.P.E. where he travels to the Philippines each year, since 1995, to perform Cleft Lip/Palate repair for the indigent people of the Philippines. Dr. Flint enjoys a wide range of sporting and outdoor activities such as mountain biking, skiing, snowmobiling, scuba diving, camping, horseback trips, hockey, and flying both fixed wing and rotary wing aircraft. His greatest love in life is his wife Michelle, his 4 children, and currently 10 grandchildren. He regularly wears a T-Shirt that says "My Favorite People Call Me Grandpa".

**Futran, Neal - Lecturer**

MD, DMD
Professor and Chair
Department of Otolaryngology-Head & Neck Surgery
Director of Head and Neck Surgery
University of Washington
Seattle, Washington

Neal D. Futran, MD, DMD joined the University of Washington faculty in 1995. He is currently the Allison T. Wanamaker Professor and Chair of the Department of Otolaryngology – Head and Neck Surgery. He is also the Director of Head and Neck Surgery as well as an adjunct professor in the departments of Plastic Surgery and Neurological Surgery. Dr. Futran earned his dentistry degree at the University of Pennsylvania and completed training in oral and maxillofacial surgery as well as an MD degree at the Health Science Center at Brooklyn, New York. He then trained in Otolaryngology – Head & Neck Surgery at the University of Rochester followed by a Head and Neck Oncology and Microvascular Surgery fellowship at Mount Sinai Hospital in New York with Dr. Mark Urken. Dr. Futran became an assistant professor in the Department of Otolaryngology at the University of South Florida in 1993 specializing in head and neck oncologic and reconstructive surgery and subsequently relocated to Seattle. Dr. Futran is board certified in Otolaryngology and has outstanding expertise and an active practice in head and neck oncology and microvascular reconstruction and rehabilitation of complex, oncology and trauma cases. He also specializes in skull base surgery utilizing both endoscopic and open approaches. His major research activities center on microvascular reconstruction of the head and neck and he also participates in grants studying molecular profiles and gene analysis in oral carcinogenesis. He enjoys teaching on the topics of head and neck reconstruction, craniofacial trauma, skull base surgery, and head and neck oncology worldwide. He was on the board of directors for the AO Foundation, a trustee of the UW Physicians, and a trustee of the Virginia Bloedel Hearing Research Institute. Dr. Futran is on the editorial boards of several scientific journals and held the position of deputy editor of JAMA-Otolaryngology. He is listed in the Best Doctor's in America.

**Grant, Michael - Lecturer**

MD, PhD, FACS
Paul N. Manson Distinguished Professor & Chief
Plastic and Reconstructive Surgery
Director, Maxillofacial Trauma Service
R Adams Cowley Shock Trauma Center
Professor of Surgery(Plastic) and Ophthalmology
University of Maryland School of Medicine

Baltimore, Maryland

Michael P. Grant, MD, PhD, FACS Michael P. Grant, MD, PhD, FACS is the Paul N. Manson Distinguished Professor, and Chief of Plastic, Reconstructive and Maxillofacial Surgery at the R Adams Cowley Shock Trauma Center, University of Maryland Medical Center, and Professor of Surgery and Ophthalmology, University of Maryland School of Medicine in Baltimore Maryland. Previously, he served as Director of Oculoplastic Surgery, Wilmer Eye Institute, Johns Hopkins University School of Medicine as well as the chief of the Eye and Orbital Trauma Center at the Johns Hopkins Hospital. As one of the few dual-trained plastic surgeons and ophthalmologists, Dr Grant's specializes in complex craniomaxillofacial reconstruction the facial skeleton, and soft tissue of the periorbital region. This includes eyelid reconstruction, reconstruction of the internal orbit, and lacrimal system following trauma, removal of tumors, and congenital malformations. Working closely with industry partners Dr. Grant is developing and optimizing the application of computer assisted design of patient specific (custom) implants. Dr. Grant is an internationally recognized expert in the fields of primary and secondary orbital reconstruction, computer assisted surgery, and facial aesthetic surgery. Dr Grant's research interests include applying innovative solutions to difficult clinical problems. He is actively engaged in the development of biomaterials for conjunctival reconstruction, to provide lining for the orbit and maintenance of the health of the ocular surface. This approach may prove useful in correction of all types of lining deficits craniofacial reconstruction. Using the "organ on a chip" approach, these studies have been extended by developing an "eye on a chip" 3D co-culture system to investigate the dynamics of the ocular surface and investigate novel therapies for dry eye treatment. In parallel, he is investigating mechanisms of immunomodulation in corneal injury and wound healing. A separate line of investigation involves utilizing progenitor cells for regeneration of bone in the craniofacial skeleton. Finally, Dr. Grant is involved application of computer assisted, and image guided surgical techniques to make orbital reconstruction safer and more predictable for patients. Dr Grant was selected as a trainee in the Medical Scientist Training Program at Case Western Reserve University, receiving a M.D., and Ph.D. in neurosciences. He completed the Ophthalmology residency at the Wilmer Eye Institute, Johns Hopkins Hospital, followed by a General Plastic Surgery residency in the Johns Hopkins/University of Maryland Training Program. Dr. Grant is one of only a few surgeons in the country that is board certified in both disciplines. He is a member of the American Society of Plastic Surgery, American Society of Maxillofacial Surgeons, American Society of Oculoplastic and Reconstructive Surgery, American Academy of Ophthalmology, and a fellow of the American College of Surgeons.

**Ha, Richard - Lecturer**

MD
Clinical Assistant Professor
Department of Plastic Surgery
University of Texas Southwestern Medical Center
Dallas Plastic Surgery Institute
Dallas, Texas

Dr. Ha completed his general surgery, plastic surgery, and craniofacial fellowship training from UT Southwestern Medical Center. He is certified by the American Board of Plastic Surgery and is a Clinical Assistant Professor at the UT Southwestern Department of Plastic Surgery. He is past-president of the Dallas Plastic Surgery Institute and serves as the Director of Facial Trauma (Plastic Surgery section) at Baylor University Medical Center. He also directs the Craniofacial Fellowship at the Pediatric Plastic Surgery Institute. Dr. Ha specializes in facial aesthetic surgery, cleft lip and palate repair, facial trauma, pediatric craniofacial surgery, microtia/ear reconstruction, facial reanimation, Moh's and head and neck reconstruction, breast reconstruction, and microsurgery.

**Helling, Eric - Lecturer**

MD
Charlie Norwood VA Medical Center
Dept of Surgery
Augusta, Georgia

32 years Active Duty US Army, 26 years as an Army Active Duty Physician. Initially a Ranger Medical Officer, then trained in Otolaryngology at Walter Reed Army Medical Center, then Plastic Surgery at UT San Antonio. Cared for numerous head and neck injured combat patients to include: Bosnia/Kosovo, Embassy bombings in Kenya/Tanzania, USS Cole injured, Afghanistan and Iraq wounded. Multiple combat deployments to include Officer in Charge of the US Contingent at Camp Bastion Role 3 Hospital in 2013 (then the busiest combat hospital in the Iraq/Afghanistan war) and staffing the Forward Surgical team in Al Taqqadum, Iraq (Fallujah) in 2016, also the busiest combat medical facility at the time. Current focus is cancer and trauma reconstruction of Veterans with emphasis on Head and Neck reconstruction.

**Herford, Alan - Lecturer**

DDS, MD, FACS
Professor and Chair
Department of Oral & Maxillofacial Surgery
Loma Linda University School of Dentistry
Loma Linda, California

Dr. Herford is currently Professor and Chair of the Department of Oral and Maxillofacial Surgery at Loma Linda University. He is also an Associate Professor of the Department of Surgery, School of Medicine, Loma Linda University Medical Center; and Director, Oral and Maxillofacial Surgery, Department of Surgery at Arrowhead Regional Medical Center. Dr. Herford received his DDS degree from Loma Linda University School of Dentistry. He was then accepted into Oral and Maxillofacial Surgery residency training program at Parkland Hospital in Dallas Texas. He received his MD from the University of Texas at Dallas Southwestern Medical School. Dr. Herford serves on numerous committees and Boards. He is a Fellow of the American Association of Oral and Maxillofacial Surgeons, the American College of Surgeons, the American College of Dentists, and the International College of Dentists. He currently serves on the Board of Directors for the American Board of Oral and Maxillofacial Surgery (ABOMS). He is a past president of the California Association of Oral and Maxillofacial Surgeons (CALAOMS). Dr. Herford has a strong interest in trauma and currently serves as a Director of the North American Craniomaxillofacial Trauma Education Council (NACMF).

**Jones, Lamont - Lecturer**

MD, MBA, FACS
Vice Chair Department of Otolaryngology, Head and Neck Surgery
Henry Ford Hospital Facial Plastic and Reconstructive Surgery
Director, Cleft and Craniofacial Clinic
Clinical Associate Professor Department of Otolaryngology
Wayne State University School of Medicine
Detroit, Michigan

Lamont R. Jones, M.D., MBA, received his medical degree and completed otolaryngology residency at the University of Michigan, Ann Arbor. He completed a fellowship in Facial Plastic and Craniofacial Reconstructive Surgery at SUNNY UpState Medical University. Dr. Jones also completed an executive MBA from the Eli Broad College of Business at Michigan State University, in 2016. Dr. Jones is currently the Vice Chair of the Department of Otolaryngology at Henry Ford Hospital in Detroit, Michigan. He is involved in departmental and hospital operations and has an interest revenue cycle, cost reduction and using telemedicine to improve clinical efficiencies. His clinical interests include the treatment of congenital facial anomalies, facial rejuvenation and facial trauma. Dr. Jones' interests also include the treatment of keloids and translational keloid research, for which, he was recently awarded a, 5 year \$900,00 K08 grant from the National Institute of General Medical Science. A national and international speaker, Jones has published multiple journal articles and books chapters. He holds positions in local and national medical organizations, and is involved with "Face to Face" and Kenya Relief which support international medical mission trips to countries such as Vietnam and Kenya. His mission work has been featured in the Detroit Free Press, Detroit Hour Magazine and in an hour television special, "Care and Hope, Proud Detroit Exports", on Detroit WDIV Channel 4.

**Kushner, George - Lecturer**

DMD, MD, FACS
Professor
Oral and Maxillofacial Surgery
University of Louisville
Louisville, Kentucky

Dr. Kushner is a native of Pennsylvania. He graduated from Pennsylvania State University and Temple University School of Dentistry. Following his completion of his Oral and Maxillofacial Surgery residency at the University of Louisville he did a fellowship at the Oral Surgery Institute in Nashville, TN in TMD under Jeffery Carter D.M.D., M.D. After his fellowship he enrolled and graduated from medical school at The University of Alabama. He completed his general surgery core year at Brown University/Rhode Island Hospital. He came back to Louisville in 1993, becoming the Oral and Maxillofacial Surgery Program Director in 1994. He achieved the rank of full professor in 2007. He is a Diplomate, Fellow, or member of AAOMS, ADEA, SSOMS, and the American College of Surgeons, holding leadership positions in most of these organizations. Dr Kushner is currently Professor and Chairman of Oral and Maxillofacial Surgery at the University of Louisville. Dr. Kushner lectures worldwide and is well published on a variety of topics in Oral and Maxillofacial Surgery. He is a Trustee of the AO Foundation, an international organization committed to excellence in musculoskeletal surgery. Dr. Kushner has become the "go to" surgeon in this area of the country for complex injuries, deformities, and complications.

**MacLeod, Stephen - Lecturer**

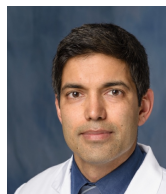
BDS, MBChB, FDSRCS, FRCS, FACS, FFST
Professor
Chief, Oral and Maxillofacial Surgery and Dental Medicine
Program Director
Oral and Maxillofacial Surgery Residency
Loyola University
Maywood, Illinois

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.

**Manson, Paul - Lecturer**

MD
Distinguished Service Professor
Plastic, Reconstructive and Maxillofacial Surgery
Johns Hopkins University School of Medicine
Professor of Surgery
University of Maryland Shock Trauma Unit
Baltimore, Maryland

Paul Manson worked for years leading the Plastic Surgery Service in the University of Maryland Shock Trauma Institute from 1977-2000, concentrating on developing principles and techniques for Maxillofacial Trauma Treatment. These basic reconstructive principles were then applied to facial defects from trauma, cancer and acquired conditions. He served as Chairman of Plastic and Reconstructive Surgery at Johns Hopkins and led the Johns Hopkins-University of Maryland Combined Plastic Surgery program from 1990-2010. His career now focuses on reconstructive facial surgery for defects from cancer of the head and neck area, concentrating on the face and scalp.

**Sawhney, Raja - Lecturer**

MD, MFA, FACS
Facial Plastics and Reconstructive Surgery
Otolaryngology / Head and Neck Surgery
Center for Aesthetic Plastic Surgery
Brooksville, Florida

Dr. Sawhney is a fellowship trained Facial Plastic and Reconstructive Surgeon. Prior to becoming a physician, Dr. Sawhney obtained his Bachelor's degree in Fine Arts in Scientific Illustration and Painting and Drawing and then pursued his Masters of Fine Arts in Medical and Biological Illustration both from the University of Michigan. After working as a medical artist, he returned to school to get his medical degree (MD) at Wayne State University in Detroit Michigan. He then completed his residency training in Otolaryngology (ENT) at the Henry Ford Health System in Detroit Michigan. He obtained specialized training in Facial Plastic Surgery, in Dallas / Fort Worth under the guidance of Dr. Yadro Ducic MD FRCS(C), FACS. After completing his training, Dr. Sawhney worked at the University of Florida, Department of Otolaryngology where he was an Associate Professor and Director of Facial Plastics and Reconstructive Surgery. He is presently in private practice though participates as adjunct faculty at University of Florida.

**Schramm, Alexander - Lecturer**

Prof. Dr. Dr., MD, DDS

Prof. Dr. Dr.

Oral and Maxillofacial Surgery

University and Military Hospital Ulm
Ulm

Professor Dr. Dr. Alexander Schramm (MD DDS) was born in 1965. 1994 he graduated Medical School and 1996 Dental School at the University of Freiburg, Germany. From 1996 until 2000 he took specialist training in the Department of Oral and Maxillofacial Surgery at the University Hospital Freiburg, Germany, with Professor Rainer Schmelzeisen and in Basel, Switzerland, with Professor Jochen Prein and Professor Beat Hammer. 2000 he passed the specialist examination in Maxillofacial Surgery and specialist examination in Oral Surgery and 2004 the specialist examination in Regional Plastic Surgery in Germany. 2004 he wrote his Habilitation (PhD-Thesis) in computer-assisted maxillofacial surgery. From 2004 until 2007 he was vicechairman at the Department of Oral and Maxillofacial Surgery at the Medical School of Hannover, Germany with Professor Nils-Claudius Gellrich. Since October 2007 he is chairman at the Department of Oral and Plastic Maxillofacial Surgery at the Military Hospital in Ulm, Germany. In 2008 he became Professor at the University of Ulm, Germany. Since March 2015 he is also chairman of the Department of Oral and Maxillofacial Surgery at the University Hospital in Ulm, Germany. His interest and scientific work is on computer-assisted reconstructive surgery. Besides various publications and papers he is author of the first book on "Navigational Surgery of the Facial Skeleton", which was published 2006 by Springer.

**Strong, Bradley - Lecturer**

MD

Professor, Vice-Chairman

Department of Otolaryngology

University of California, Davis

School of Medicine

Sacramento, California

Dr. Strong's clinical interests lie in both reconstructive facial plastic surgery as well as endoscopic sinus/skull base surgery. Dr. Strong has extensive experience in computer aided surgery (virtual surgical planning, rapid prototyping, 3D printing, intra-operative navigation, and intra-operative imaging) – applying these techniques for the treatment of maxillofacial injuries, sinusitis, and skull base surgery. He is internationally recognized for his expertise in the management of complex maxillofacial trauma, including orbital reconstruction and frontal sinus surgery.

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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.

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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:

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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.

Acknowledgment

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.