

State of the Art: Facial Reconstruction and Transplantation

May 15 – 17, 2015

Conrad New York

New York City, New York



To learn more and to register, go to:

www.facerecon2015.org

Directly Provided by AO North America

State of the Art: Facial Reconstruction and Transplantation

Course Description:

The majority of high-energy craniomaxillofacial traumatic or oncologic defects are composite, involving the skin, skeleton, and mucosa. Successful reconstruction restores facial projection and lays the foundation for functional rehabilitation. Human facial transplantation has become a reality and holds tremendous promise for severely disfiguring craniomaxillofacial deformities.

The focus of this course will be on aesthetic and functional reconstruction of the craniofacial hard and soft tissue. The distinguished faculty will discuss reconstruction for bony, as well as, soft tissue reconstruction of the face and skull. The course will be advanced and problem oriented with an emphasis on the newest techniques, planning and imaging. The format will include lectures and panel discussions and will utilize an audience interactive response system to facilitate audience participation.

Target Audience:

Enrollment in this Course is open to attending surgeons and residents in Oral and Maxillofacial, Otolaryngology—Head and Neck, Plastic and Reconstructive Surgery, Oculoplastic Surgery, and other surgical specialties involved with stabilizing internal fixation. Allied health professionals involved in the care of patients with craniomaxillofacial traumatic or oncologic defects will also find this course to be of interest.

Learner Objectives:

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

- Recognize various strategies for facial vascularized composite allotransplantation and their challenges
- Identify the most difficult and challenging craniomaxillofacial hard and soft tissue problems and deformities
- Define potential benefits of interdisciplinary treatment utilized for optimal rehabilitative treatment and restoration of craniomaxillofacial form and function
- Discuss recent technological advances used in craniomaxillofacial and reconstructive surgery and approaches to achieving excellent results.

Accreditation and Designation Statements:

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

The American Nursing Credentialing Center (ANCC) accepts certificates of participation for educational activities certified for *AMA PRA Category 1 Credit™* issued from organizations accredited by the ACCME.

The American Academy of Physician Assistants accepts certificates of participation for educational activities certified for *AMA PRA Category 1 Credit™* from organizations accredited by the ACCME. Physician assistants may receive a maximum of 27.75 hours of Category 1 credit for completing this program.

AO North America designates this Live educational activity for a maximum of 27.75 *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

Chairman:

Eduardo D. Rodriguez, MD, DDS
Chair, Department of Plastic Surgery
Helen L. Kimmel Professor of
Reconstructive Plastic Surgery
Director, Institute of Reconstructive
Plastic Surgery
New York University Langone
Medical Center
New York City, New York

Co-Chairmen:

Michael Grant, MD, PhD, FACS
Associate Professor of Ophthalmology
and Plastic Surgery
Division Head, Oculoplastic Surgery
Director, Ocular & Orbital Trauma Center
Wilmer Eye Institute at Johns Hopkins
Baltimore, Maryland

Invited Faculty:

Aileen Blitz, PhD
New York University Langone
Medical Center
Clinical Psychologist
New York City, New York

Lawrence E. Brecht, DDS
Clinical Assistant Professor
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Medical Center
Department of Plastic Surgery
Clinical Associate Professor
New York University College of Dentistry
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Couse Evaluator:

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

Paul N. Manson, MD
Distinguished Service Professor
Plastic, Reconstructive and
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Johns Hopkins University
School of Medicine
Professor of Surgery
University of Maryland Shock Trauma Unit
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Peter G. Cordeiro, MD
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Associate Professor
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**Bernard Devauchelle, MD, Prof. Dr.,
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Centre Hospitalier Universitaire d'Amiens
Service de Chirurgie Maxillo-faciale
Amiens, France

Amir Dorafshar, MBChB, FAAP, FACS
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Baltimore, Maryland

Roberto L. Flores, MD
Director, Cleft Lip and Palate
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New York City, New York

Frederick Menick, MD
Tucson, Arizona

Evan Garfein, MD
Assistant Professor, Department
of Surgery
Director, Program for Advanced
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Director, Microsurgery and
Microsurgical Research
Montefiore Medical Center
Bronx, New York

Bruce Gelb, MD, FACS
Assistant Professor of Surgery
Director Renal Transplantation
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Joseph Gruss, MD, FRCSC
Marlys C. Larson Professor
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Division of Plastic and
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Childrens Hospital & Medical Center
Seattle, Washington

G.G. Hallock, MD
Division of Plastic Surgery
Sacred Heart Hospital
Allentown, Pennsylvania

David L. Hirsch, MD, DDS
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Department of Plastic Surgery
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Faculty (continued)

Invited Faculty (continued):

Nicholas T. Iliff, MD

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Helen Irving, RN, MBA

President & CEO
New York Organ Donor Network
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Glenn Jelks, MD

Associate Professor of Plastic Surgery
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Laurent Lantieri, MD

Hôpital European Georges Pompidou
Chief of Department
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Paris, France

Jamie Levine, MD

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Joseph McCarthy, MD

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Omer Ozkan, MD

Professor
Akdeniz University
Institute of Plastic, Reconstructive
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Antalya, Turkey

Julian Pribaz, MD

Professor
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Brigham and Women's Hospital
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Boston, Massachusetts

Andrea Pusic, MD, MHS, FACS

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Richard Redett, MD

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Director, Facial Paralysis Center
Director, Cleft Lip and Palate Center
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Alexander Schramm, Prof. Dr., Dr., MD, DDS

Professor and Chairman
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Military and University Hospital Ulm
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Pradip R. Shetye, DDS, MDS

Assistant Professor (Orthodontics)
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David A. Staffenberg, MD

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Chairman
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Ostrow School of Dentistry of USC
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Icahn School of Medicine at Mt. Sinai
Chief, Division of Head & Neck
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and Neck and Thyroid Cancer
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Robert L. Walton, MD, FACS

Professor
Division of Plastic Surgery
Feinberg School of Medicine
Northwestern University
Chicago, Illinois

Fu-Chan Wei, MD, FACS

Professor of Plastic Surgery
Chang Gung University and
Medical College
Chang Gung Memorial Hospital
Taipei, Taiwan

S. Anthony Wolfe, MD

Chief
Plastic and Reconstructive Surgery
Miami Children's Hospital
Miami, Florida

Barry Zide, MD, DMD

Professor of Plastic Surgery
New York University Medical Center
New York City, New York

7:00 am Welcome/Introduction

Eduardo D. Rodriguez, MD, DDS

CURRENT TREATMENT OF DIFFICULT CLINICAL PROBLEMS

FRIDAY SESSION I:

Moderator: Paul N. Manson, MD

- 07:10 Keynote Address: The Past, Present, and Future of Craniofacial Surgery Joseph McCarthy, MD
- 07:35 Current Surgical Treatment of Craniofacial Fibrous Dysplasia and Vascular Malformations Joseph Gruss, MD, FRCS
- 07:55 Current Treatment of Neurofibromatosis Laurent Lantieri, MD
- 08:15 Current Surgical Treatment of Congenital Craniofacial Malformations S. Anthony Wolfe, MD
- 08:35 Current Surgical Treatment of High-Energy Avulsive Facial Injury Paul N. Manson, MD
- 08:55 PANEL DISCUSSION **Moderator:** Paul N. Manson, MD

Panelists: Joseph Gruss, MD, FRCS; Laurent Lantieri, MD; Joseph McCarthy, MD; S. Anthony Wolfe, MD

09:25 Coffee Break

ESTABLISHING A FACE VCA PROGRAM

FRIDAY SESSION II:

Moderator: Robert L. Walton, MD, FACS

- 09:40 Keynote Address: Ethics, Donation, IRB, and Standard of Care for Face VCA Arthur Caplan, PhD
- 10:05 Current Update and Future Challenges with Face VCA Robert L. Walton, MD, FACS
- 10:25 Transplant Immunology, Immunosuppression Medications, Side Effects, Infections and Long Term Graft Survival Bruce Gelb, MD, FACS
- 10:45 Organ Donation and Face Helen Irving, RN, MBA
- 11:05 Psychosocial Evaluation, Implications and the Role for Pediatric Face VCA Aileen Blitz, PhD
- 11:25 PANEL DISCUSSION **Moderator:** Robert L. Walton, MD, FACS

Panelists: Aileen Blitz, PhD; Arthur Caplan, PhD; Bruce Gelb, MD, FACS; Helen Irving, RN, MBA

11:55 Lunch

A TRANSPLANT SOLUTION FOR THE DIFFICULT CLINICAL PROBLEM

FRIDAY SESSION III:

Moderator: Eduardo D. Rodriguez, MD, DDS

- 12:55 Keynote Address: Perspectives from the Pioneer of Face VCA: What Have We Learned and Where are We Going? Bernard Devauchelle, MD, Prof. Dr., FRCS(Eng)
- 13:20 Facial Transplantation - The Paris, France Clinical Experience Laurent Lantieri, MD
- 13:40 Facial Transplantation - The Antalya, Turkey Clinical Experience Omer Ozkan, MD
- 14:00 Facial Transplantation - The Boston, Massachusetts Clinical Experience Julian Pribaz, MD
- 14:20 Facial Transplantation - The Baltimore, Maryland Clinical Experience Eduardo D. Rodriguez, MD, DDS
- 14:40 PANEL DISCUSSION **Moderator:** Eduardo D. Rodriguez, MD, DDS

Panelists: Bernard Devauchelle, MD, Prof. Dr., FRCS(Eng); Laurent Lantieri, MD; Omer Ozkan, MD; Julian Pribaz, MD

15:10 Coffee Break

PEDIATRIC SURGERY

FRIDAY SESSION IV:

Moderator: Mark M. Urata, MD, DDS

- 15:25 Keynote Address: Pediatric Facial Injury Reconstruction Joseph Gruss, MD, FRCS
- 15:50 Microsurgical Reconstruction of the Pediatric Patient Mark Urken, MD, FACS
- 16:10 Pediatric Soft Tissue Facial Reconstruction Richard Redett, MD
- 16:30 Pediatric Craniofacial Reconstruction Mark M. Urata, MD, DDS
- 16:50 Pediatric Craniosynostosis Reconstruction David A. Staffenberg, MD
- 17:10 PANEL DISCUSSION **Moderator:** Mark M. Urata, MD, DDS

Panelists: Joseph Gruss, MD, FRCS; Richard Redett, MD; David A. Staffenberg, MD; Mark Urken, MD, FACS

17:40 Course Adjourns – End of Day 1

18:00 Welcome Reception

ADVANCED DIGITAL TECHNOLOGY I

SATURDAY SESSION V: Moderator: Amir Dorafshar, MBChB, FAAP, FACS

07:30 Keynote Address: Advanced Digital Technology and Navigation in Facial Reconstruction: What Have I Learned in 15 Years? Alexander Schramm, Prof. Dr., Dr., MD, DDS

07:55 Advanced Digital Technology: Craniosynostosis Surgery Amir Dorafshar, MBChB, FAAP, FACS

08:15 Advanced Digital Technology: Distraction Osteogenesis Derek Steinbacher, MD, DMD, FACS

08:35 Advanced Digital Technology: Surgical Simulation and Animation in Craniofacial Surgery Roberto L. Flores, MD

08:55 Advanced Digital Technology: Orthognathic Surgery Derek Steinbacher, MD, DMD, FACS

09:15 Advanced Digital Technology: Head and Neck Reconstruction Jamie Levine, MD

09:35 PANEL DISCUSSION Moderator: Amir Dorafshar, MBChB, FAAP, FACS

Panelists: Roberto L. Flores, MD; Jamie Levine, MD; Alexander Schramm, Prof. Dr., Dr., MD, DDS; David A. Staffenberg, MD; Derek Steinbacher, MD, DMD, FACS

10:05 Coffee Break

ADVANCED DIGITAL TECHNOLOGY II

SATURDAY SESSION VI: Moderator: Lawrence E. Brecht, DDS

10:20 Keynote Address: Advanced Ear Reconstruction Charles Thorne, MD

10:45 Moles of the Face — How to Think and How to Treat Barry Zide, MD, DMD

11:05 Advanced Orthodontic Treatment of Complex Craniofacial Deformities Pradip R. Shetye, DDS, MDS

11:25 Advanced Osseointegrated Implant Reconstruction David L. Hirsch, MD

11:45 Advanced Prosthetic Rehabilitation Lawrence E. Brecht, DDS

12:05 PANEL DISCUSSION Moderator: Lawrence E. Brecht, DDS

Panelists: David L. Hirsch, MD, DDS; Pradip R. Shetye, DDS, MDS; Charles Thorne, MD; Barry Zide, MD, DMD

12:35 Lunch

PERIORBITAL RECONSTRUCTION

SATURDAY SESSION VII: Moderator: Paul N. Manson, MD

13:35 Keynote Address: Periorbital Evaluation and Treatment Considerations in Facial Reconstruction & Transplantation Nicholas T. Iliff, MD

14:00 Primary & Secondary Orbital Injury Treatment: What Have I Learned Paul N. Manson, MD

14:20 Midface & NOE Reconstruction S. Anthony Wolfe, MD

14:40 Periorbital Soft Tissue Reconstruction Glenn Jelks, MD

15:00 PANEL DISCUSSION Moderator: Paul N. Manson, MD

Panelists: Nicholas T. Iliff, MD; Glenn Jelks, MD; S. Anthony Wolfe, MD

15:30 Coffee Break

AESTHETIC CRANIOFACIAL RECONSTRUCTION

SATURDAY SESSION VIII: Moderator: Michael Grant, MD, PhD, FACS

15:45 Keynote Address: Aesthetic Craniofacial Reconstruction: What Have I Learned? S. Anthony Wolfe, MD

16:10 Aesthetic Facial Reconstruction Julian Pribaz, MD

16:30 Aesthetic Periorbital Reconstruction Michael Grant, MD, PhD, FACS

16:50 Aesthetic Craniofacial Microsurgical Reconstruction Eduardo D. Rodriguez, MD, DDS

17:10 Aesthetic Facial Reconstruction with Structural Fat Grafts Sydney Coleman, MD

17:30 Measuring Quality of Life in Facial Reconstruction Andrea Pusic, MD, MHS, FACS

17:50 PANEL DISCUSSION Moderator: Michael Grant, MD, PhD, FACS

Panelists: Sydney Coleman, MD; Julian Pribaz, MD; Andrea Pusic, MD, MHS, FACS; Eduardo D. Rodriguez, MD, DDS; S. Anthony Wolfe, MD

INTERACTIVE PANEL DISCUSSION AND PARTICIPANT CASES

SATURDAY SESSION IX: Moderator: Frederick Menick, MD

18:20 To Reconstruct or Transplant

Panelists: Laurent Lantieri, MD; Paul N. Manson, MD; Julian Pribaz, MD; Robert L. Walton, MD, FACS; S. Anthony Wolfe, MD

19:20 Course Adjourns — End of Day 2

NASAL RECONSTRUCTION

SUNDAY SESSION X:

Moderator: Richard Redett, MD

- 08:00 Keynote Address: Nasal Reconstruction & The Three Stage Paramedian Forehead Flap *Frederick Menick, MD*
- 08:25 Microvascular Nasal Reconstruction *Robert L. Walton, MD, FACS*
- 08:45 Pediatric Nasal Reconstruction *Richard Redett, MD*
- 09:05 Salvaging the Failed Nasal Reconstruction *Frederick Menick, MD*
- 09:25 A Structural Model in Identifying and Correcting Primary and Secondary Nasal Deformities *Nicolas Tabbal, MD, FACS*
- 09:45 PANEL DISCUSSION **Moderator:** Richard Redett, MD
- Panelists:** *Frederick Menick, MD; Nicolas Tabbal, MD, FACS; Robert L. Walton, MD, FACS*

10:15 Coffee Break

MICROSURGERY

SUNDAY SESSION XI:

Moderator: Jamie Levine, MD

- 10:30 Keynote Address: The Evolution of Perforator Flap Reconstruction *Fu-Chan Wei, MD, FACS*
- 10:55 Microsurgical Facial Reanimation *Richard Redett, MD*
- 11:15 The Role for Free Style Flaps Chimeric Flaps and Super Microsurgery in Head and Neck *G.G. Hallock MD*
- 11:35 PANEL DISCUSSION **Moderator:** Jamie Levine, MD
- Panelists:** *G.G. Hallock MD; Richard Redett, MD; Fu-Chan Wei, MD, FACS*

12:05 Lunch

HEAD & NECK

SUNDAY SESSION XII:

Moderator: Mark D. DeLacure, MD

- 13:05 Keynote Address: Optimizing Outcomes in Head & Neck Reconstruction *Mark Urken, MD, FACS*
- 13:30 Optimizing Outcomes in Adult Head & Neck Reconstruction *Neal D. Futran, MD, DMD*
- 13:50 Systematic Approach to Maxillary & Mandibular Reconstruction *Peter G. Cordeiro, MD*
- 14:10 Local and Regional Flaps in Head & Neck Reconstruction *Mark D. DeLacure, MD*
- 14:30 Supraclavicular Flap in Head & Neck Reconstruction *Ernest S. Chiu, MD*
- 14:50 What is the Role for Fluorescence Imaging in Head and Neck Reconstruction *Evan Garfein, MD*
- 15:10 PANEL DISCUSSION **Moderator:** Mark D. DeLacure, MD
- Panelists:** *Ernest S. Chiu, MD; Peter G. Cordeiro, MD; Evan Garfein, MD; Mark Urken, MD, FACS*

15:40 Coffee Break

LESSONS LEARNED FROM THE MASTERS

SUNDAY SESSION XIII:

Moderator: Frederick Menick, MD

- 15:55 How to Avoid/Treat Complications and Achieve Excellence Today *Julian Pribaz, MD*
- 16:15 How to Avoid/Treat Complications and Achieve Excellence Today *Frederick Menick, MD*
- 16:35 How to Avoid/Treat Complications and Achieve Excellence Today *Robert L. Walton, MD, FACS*
- 16:55 How to Avoid/Treat Complications and Achieve Excellence Today *Fu-Chan Wei, MD, FACS*
- 17:15 PANEL DISCUSSION **Moderator:** Frederick Menick, MD
- WITH CHALLENGING CASES

Panelists: *Julian Pribaz, MD; Robert L. Walton, MD, FACS*

- 17:45 Closing Remarks *Eduardo D. Rodriguez, MD, DDS*

18:00 Course Adjourns – End of Day 3

AO North America
1700 Russell Road
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DATES

May 15 – 17, 2015

VENUE

The Conrad New York Hotel
102 North End Avenue
New York City, New York 10282
877-545-5202

REGISTRATION

Register online at:
www.facerecon2015.org
For Questions, Call customer service
1-800-769-1391

TUITION

Early Bird Registration by December 31, 2014
Residents and Fellows: \$75
Attending: \$500
Effective January 1, 2015
Residents and Fellows: \$100
Attending: \$600