PREOPERATIVE PLANNING IN RECONSTRUCTIVE FACIAL SURGERY:
MASTERING THE NEW TECHNOLOGY

March 15–17, 2012
NYU Langone Medical Center
Farkas Auditorium
New York, NY
COURSE DESCRIPTION

The digital revolution has provided new technologies in computer imaging that can be applied to reconstructive surgery of the face. Today’s surgeon must be skilled with both traditional imaging techniques, as well as newly emerging technology. Furthermore, 3D imaging and computer software allow for optimal surgical planning in a way that was not previously possible.

Surgical planning has always been a critical component in the field of reconstructive surgery. Recent advances in computer technology have led to major breakthroughs in 3D software technology, imaging technology, and material printing. These discoveries have the potential to significantly impact the practice of reconstructive surgery, particularly in relation to reconstruction of the face.

The following course will give an overview of how advances in technology are currently being integrated into surgical practice. The course will focus on “Pre-operative Planning” using current state of the art technology. Areas to be covered include various aspects of facial reconstruction—i.e. cranium, orbitozygomatic region, maxilla, mandible, and the overlying soft tissue of the face.

The course is divided into 2 1/2 days of education. During the 1st half day session, we will begin by presenting the current state of imaging technology and biomaterials. The remainder of the course will focus on clinical applications and is divided into 1/2 day sessions according to the anatomic location: cranium, orbitozygomatic complex, maxilla/mandible, and soft tissue. At the conclusion of each day, there are interactive computer workshops with attendees to review clinical cases that relate to each section.

TARGET AUDIENCE

Plastic surgeons, maxillofacial surgeons, orthodontists, otolaryngologists and military surgeons

STATEMENT OF NEED

Two and three-dimensional CT scans have replaced plain x-rays for the diagnosis and evaluation of facial deformities. Three-dimensional reconstructions have enhanced preoperative bone analysis and planning for reconstructive surgery by providing virtual simulation of deformities, fractures, or missing parts. This technology enables one to plan a reconstruction that best matches the natural facial structure. Few surgeons are familiar with this computer-based 3D imaging technology. Surgical reconstruction of congenital deformities of the cranium and/or face is complex and requires careful surgical planning. 3D imaging and computer software allow for optimal surgical planning in a way that was not previously possible. Significant facial deformities can result from trauma or cancer resection. Tissue engineering methods and minimally invasive procedures are invaluable to the recreation of the complex facial structure interspersed with blood vessels and nerves.

EDUCATIONAL OBJECTIVES

• Integrate traditional and new imaging technologies and utilize those methods to plan a reconstruction that optimizes facial balance
• Formulate an algorithm of critical steps in planning reconstructive procedures to correct congenital deformities of the cranium and face
• Evaluate various approaches to adult facial reconstruction, and apply state of the art technology to optimize operative planning and techniques

ACCREDITATION STATEMENT

The NYU Post-Graduate Medical School is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

CREDIT DESIGNATION STATEMENT

The NYU Post-Graduate Medical School designates this live activity for a maximum of 22.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

• 3/15: 8.00 AMA PRA Category 1 Credits™
• 3/16: 9.25 AMA PRA Category 1 Credits™
• 3/17: 5.25 AMA PRA Category 1 Credits™

DISCLOSURE STATEMENT

The NYU Post-Graduate Medical School adheres to the ACCME Essential Areas and Policies, including the Standards for Commercial Support, regarding industry support of continuing medical education. In order to resolve any identified Conflicts of Interest, disclosure information is provided during the planning process to ensure resolution of any identified conflicts. Disclosure of faculty and commercial relationships as well as the discussion of unlabeled or unapproved use of any drug, device or procedure by the faculty will be fully noted at the meeting.
LOCATION
NYU School of Medicine
Alumni Hall, Farkas Auditorium
550 First Avenue (31st St.)
New York, NY 10016
Photo identification is required to enter the medical center.

ONLINE REGISTRATION PREFERRED
Applications will be accepted in order of their receipt. In order to reserve your seat, please register in advance as on-site registration is not guaranteed.
Visit our secure website http://cme.med.nyu.edu/recon to submit online registration.

MAILING ADDRESS & CONTACT INFORMATION
Registration Office
NYU Post-Graduate
Medical School
P.O. Box 1855
Murray Hill Station
New York, NY 10016
Phone: (212) 263-5295
Fax: (212) 263-5293
Please Note: We cannot accept telephone registration.

COURSE CONFIRMATION
Please supply your e-mail address to receive a confirmation letter. Written confirmation will not be mailed.

HOTEL ACCOMMODATIONS
Rooms are in very heavy demand in New York City; we urge you to make your reservations early. You may obtain a list of hotels located near NYU School of Medicine by visiting our website:
http://cme.med.nyu.edu/travel

PARKING
Parking is available on 29th and 30th Streets between First and Second Avenues, as well as at the Schwartz Health Care Center garage on First Avenue and 30th Street. For more information, please visit our website: http://med.nyu.edu/directions-parking
Please Note: We cannot validate parking for registrants.

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THURSDAY, MARCH 15, 2012

7:15am  Registration and Continental Breakfast
SESSION I: CONCEPTS, STATE-OF-THE-ART TOOLS
8:00  Introduction
    Joseph G. McCarthy, MD
8:15  Virtual Surgical Atlas
    Aaron Oliker, PhD

State-of-the-Art: Clinical Armamentarium
8:30  Clinical Technology & Constructing the Virtual Patient
    Barry H. Grayson, DDS & Pradip R. Shetye, DDS, MDS
9:10  CAD-CAM Modeling
    Niels-Claudius Gellrich, MD, DDS, PhD
9:30  Navigational Systems
    Alexander Schramm, MD, DDS
10:00  Maxillofacial Prosthetics
    Lawrence E. Brecht, DDS
10:15  Biomaterials & 3D Printing
    John L. Ricci, PhD
10:30  Coffee Break
11:00  Planning Sequence (Overview Orthognathic)
    Jaime Gateno, DDS, MD
11:20  Planning Sequence (Overview Craniofacial)
    Pravin K. Patel, MD
11:40  Planning Sequence (Overview Head & Neck Reconstructive)
    David L. Hirsch, DDS
12:00pm  Panel Discussion/Q & A
12:30  Lunch
SESSION II: CRANIUM (Imaging/Planning/Execution)
1:30  Cranial Vault Remodeling/Monobloc/Bipartition
    James P. Bradley, MD
2:00  Lefort III: Traditional vs. Distraction
    Joseph G. McCarthy, MD
2:30  Use of Neurosurgical Navigational Systems
    David Harter, MD
3:00  Craniopagus Separation
    David A. Staffenberg, MD, DSci (Hon)
3:30  Panel Discussion / Q & A
4:00  WORKSHOPS
    I. Orbit/Navigation
    II. Two Jaw Orthognathic
    III. Head and Neck Reconstruction
6:00  Adjourn

FRIDAY, MARCH 16, 2012

7:30am  Continental Breakfast
SESSION III: MAXILLA & MANDIBLE (Imaging/Planning/Execution)
8:00  Mandible/Maxilla (Post-Traumatic)
    David L. Hirsch, DDS, MD
8:20  Mandible/Maxilla (Post-Ablative)
    David L. Hirsch, DDS, MD and Jamie P. Levine, MD
8:50  Microvascular Composite Free Flaps
    Eduardo D. Rodriguez, MD, DDS
9:20  CTA of Face: Planning Sequence
    Daniel J. Ceradini, MD
9:30  CTA of Face: Planning Sequence & Clinical Experience
    Bohdan Pomahac, MD
10:00  Panel Discussion/Q & A
10:30  Coffee Break
11:00  Maxillofacial Reconstruction: Planning Sequence
    Niels-Claudius Gellrich, MD, DDS, PhD
11:30  Lefort I: Traditional and Distraction
    James P. Bradley, MD
11:50  Two Jaw Surgery: Planning Sequence
    Jaime Gateno, DDS, MD
12:20pm  Facial Asymmetry: Planning Sequence
    Barry H. Grayson, DDS, Joseph G. McCarthy, MD and Pradip R. Shetye, DDS, MDS
12:40  Mandible Distraction
    Joseph G. McCarthy, MD
1:00  Evaluation of the Airway
    Scott M. Rickert, MD
1:15  Panel Discussion/Q & A
1:30  Lunch
SESSION IV: ORBITO-ZYGOMATIC COMPLEX (Imaging/Planning/Execution)
2:30  Epidemiology of Wartime Injuries
    Robert G. Hale, DDS
2:50  MDCT of Maxillofacial Trauma
    Mark P. Bernstein, MD
3:15  Orbital Shape Analysis
    Beat Hammer, DDS
3:35  Orbital Volumetric Analysis
    Niels-Claudius Gellrich, MD, DDS, PhD
3:55  Computer Assisted Orbital Reconstruction
    Alexander Schramm, MD, DDS
4:20  Panel Discussion/Q & A
5:00  WORKSHOPS:
    I. Orbit/Navigation
    II. Two Jaw Orthognathic
    III. Head and Neck Reconstruction
7:00  Adjourn

SATURDAY, MARCH 17, 2012

7:30 Continental Breakfast
SESSION V: SOFT TISSUE ENVIRONMENT (Imaging/Planning/Execution)
8:00  Analysis and Planning: Lip & Nose
    Court B. Cutting, MD
8:20  Fat Grafting
    Sydney Coleman, MD
8:45  Craniofacial Microvascular Free Flaps
    Pierre B. Saadeh, MD
9:15  Ear Reconstruction
    Charles H. Thorne, MD
9:35  Osseointegrated Implants: Oral and Extraoral
    Lawrence E. Brecht, DDS
9:50  Canthopexy
    Glenn Jelks, MD
10:05  Lacrimal System
    Richard D. Lisman, MD
10:15  Panel Discussion / Q & A
10:40  Coffee Break
11:10  PANEL: Composite Tissue Allotransplantation and the Future of Craniofacial Reconstruction
    Registrants Submitted Cases - Discussion
12:00  Workshops
    I. Orbit/Navigation
    II. Two Jaw Orthognathic
    III. Head and Neck Reconstruction
2:00  Adjourn
Preoperative Planning in Reconstructive Facial Surgery:
Mastering the New Technology #042
March 15-17, 2012 • Register online at http://cme.med.nyu.edu/recon

After 12pm on March 13, 2012 only on-site registration is available provided the course has not reached capacity.
On-Site Registrants will incur an additional $20 charge and will receive an email receipt in 1-2 weeks.

PLEASE PRINT INFORMATION CLEARLY IN BLOCK LETTERS AND NUMBERS

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(CREQuED FOR CME CREDIT)

Course Confirmation: Please supply your e-mail address to receive a confirmation letter. Written confirmation will not be
mailed. Make sure your e-mail address is clearly written.

COURsE FEEs: □ Physicians: $850    □ Physicians in Training: $350

WORKSHOPS (Please pick one workshop per session)

Thursday, 3/15 • 4:00pm
□ Orbit/Navigation
□ Two Jaw Orthognathic
□ Head & Neck Reconstruction

Friday, 3/16 • 5:00pm
□ Orbit/Navigation
□ Two Jaw Orthognathic
□ Head & Neck Reconstruction

Saturday, 3/17 • 12:00pm
□ Orbit/Navigation
□ Two Jaw Orthognathic
□ Head & Neck Reconstruction

Refund Policy: An administrative charge of 30% of your tuition payment will be assessed for cancellations prior to March 1, 2012.
Cancellations must be in writing and postmarked no later than the above date. Faxes and emails are not accepted. Cancellations
will not be accepted after the above date.

Course Cancellation Policy: In the unusual circumstance that this course is cancelled, two weeks notice will be given and tuition
will be refunded in full. The NYU Post-Graduate Medical School is not responsible for any airfare, hotel or other costs incurred.

METHODs OF PaYMENT
Cash and phone registration are not accepted. If faxing, do not mail or refax, this will only result in a duplicate charge to
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□ Check in U.S. Dollars only $________

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Foreign registrants, including those from Canada, must pay by International Postal Money Order or credit card.

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AMOUNT TO BE CHARGED: $ ____________________________

EXPIRATION DATE ____________________________ CVV CODE (last 3 digits on back)

SIGNATURE ____________________________
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REGISTER ONLINE AT: HTTP://CME.MED.NYU.EDU/RECON