

NYU Grossman School of Medicine  
Continuing Medical Education

# Craniofacial Distraction

**INDICATIONS, ALTERNATIVES,  
LONG-TERM OUTCOMES**

Thursday–Friday, September 17–18, 2020

New York, NY

[nyulmc.org/craniofacialcme](https://nyulmc.org/craniofacialcme)



# SPEAKERS

## COURSE DIRECTORS

### **Roberto L. Flores, MD**

Joseph McCarthy Associate Professor of Reconstructive Plastic Surgery  
Director, Cleft Lip and Palate  
Hansjörg Wyss Department of Plastic Surgery  
NYU Grossman School of Medicine

### **Pradip R. Shetye, DDS**

Assistant Professor of Plastic Surgery  
Director, Craniofacial Dentist Center  
Director, Craniofacial Orthodontic Fellowship  
Hansjörg Wyss Department of Plastic Surgery  
NYU Grossman School of Medicine

### **David A. Staffenberg, MD**

Professor of Plastic Surgery, Pediatrics, and Neurosurgery  
Vice Chair for Pediatric Plastic Surgery, Hansjörg Wyss Department of Plastic Surgery  
NYU Grossman School of Medicine

## NYU LANGONE HEALTH SPEAKERS

### **Patricia D. Chibbaro, MSN, CPNP**

Nurse Practitioner  
Hansjörg Wyss Department of Plastic Surgery

### **Nolan S. Karp, MD**

Professor of Plastic Surgery  
Vice Chair of Clinical Operations  
Hansjörg Wyss Department of Plastic Surgery

### **Jamie P. Levine, MD**

Associate Professor of Plastic Surgery  
Chief, Microsurgery  
Hansjörg Wyss Department of Plastic Surgery

### **Joseph G. Mc Carthy, MD**

Professor Emeritus and Lawrence D. Bell Professor of Plastic Surgery  
Hansjörg Wyss Department of Plastic Surgery

### **Scott M. Rickert, MD**

Associate Professor of Otolaryngology  
Chief, Pediatric Otolaryngology  
Department of Otolaryngology

## GUEST SPEAKERS

### **Cassio Eduardo Raposo Amaral, MD, PhD**

Chief of Craniofacial Surgery Fellowship  
SOBRAPAR—Crânio e Face Hospital  
Former President of the Brazilian Association of Craniofacial Surgery  
Campinas, Brazil

### **Eric J. Arnaud, MD**

Co-Director of Craniofacial Pediatric Craniofacial Unit  
Hospital Necker  
Paris, France

### **Scott P. Bartlett, MD**

Professor of Surgery  
Perelman School of Medicine at the University of Pennsylvania  
Division of Plastic and Reconstructive Surgery  
Director, Craniofacial Program  
Children's Hospital of Philadelphia  
Philadelphia, PA

### **Marcus V. Collares, MD, PhD**

Professor, Chief, Plastic and Craniofacial Surgery  
Rio Grande do Sul Federal University Medical School  
Chief, Plastic and Craniofacial Surgery Division  
Hospital de Clinicas de Porto Alegre  
Porto Alegre, Brazil

### **Lisa R. David, MD, MBA**

Professor of Plastic Surgery  
Chair, Plastic Surgery  
Brenner Children's at Wake Forest Baptist Health  
Winston-Salem, NC

### **David Dunaway, MBChB, FRCS**

Consultant Plastic and Reconstructive Surgeon  
Chief of Craniofacial Unit  
Great Ormond Street Hospital for Children  
Professor of Craniofacial Surgery  
Institute of Child Health  
University College London  
London, UK

### **Elçin Esenlik, DDS, PhD**

Professor of Orthodontics  
Chair of the Department of Orthodontics  
Akdeniz University, Turkey

### **Jeffrey Fearon, MD**

Director, Dallas Craniofacial Center  
Medical City  
Dallas, TX

### **Alvaro A. Figueroa, DDS, MS**

Instructor of Surgery  
Rush Medical College  
Director, Rush Craniofacial Center  
Chicago, IL

### **Richard A. Hopper, MD, MS**

Marlys C. Larson Endowed Chair in Pediatric Craniofacial Surgery  
Chief, Plastic Surgery  
Seattle Children's Hospital  
Surgical Director, Craniofacial Center  
University of Washington  
School of Medicine  
Seattle, WA

### **Fernando Molina Montalva, MD**

President of the "Fernando Ortiz Monasterio" Foundation for Craniofacial Anomalies  
Hospital Angeles del Pedregal  
México City, Mexico

### **Albert Oh, MD**

Plastic and Reconstructive Surgeon  
Director, Cleft and Craniofacial Program  
Director, Plastic Surgery Fellowship  
Children's National Hospital  
Washington, DC

### **Mark Proctor, MD**

Professor of Neurosurgery  
Harvard Medical School  
Neurosurgeon-in-Chief  
Director, Brain Injury Center  
Boston Children's Hospital  
Boston, MA

### **Derek Steinbacher, DMD, MD, FACS**

Associate Professor of Surgery  
Chief, Oral and Maxillofacial Surgery  
Director, Craniofacial Surgery  
Yale School of Medicine  
New Haven, CT

### **Jesse A. Taylor, MD**

Peter Randall Endowed Chair of Plastic Surgery  
Perelman School of Medicine at the University of Pennsylvania  
Chief, Division of Plastic and Reconstructive Surgery  
Co-Director, Cleft Lip and Palate Program  
Co-Director, Craniofacial Program  
Children's Hospital of Philadelphia  
Philadelphia, PA

### **Mark Urata, MD, DDS**

Audrey Skirball-Kenis Chair and Chief, Division of Plastic and Reconstructive Surgery  
Children's Hospital Los Angeles  
Keck School of Medicine  
Los Angeles, CA

### **S. Anthony Wolfe, MD**

Director, Plastic and Reconstructive Surgery  
Nicklaus Children's Hospital  
Miami, FL

# Craniofacial Distraction

## COURSE DESCRIPTION

Craniofacial distraction osteogenesis was first implemented 30 years ago in New York University's Department of Plastic Surgery. Since that time this technique has become a standard intervention to skeletal reconstruction which continues to evolve and find itself in the armamentarium used to treat some of the most challenging skeletal deformities treated by craniofacial surgeons. This two-day course will review all cardinal procedures and innovations in craniofacial distraction. This will include bony lengthening of the mandible, maxilla, midface/orbits and cranium as applied to the following conditions: Pierre Robin sequence, cleft lip and palate, craniofacial microsomia, Treacher Collins syndrome, non-syndromic craniosynostosis and syndromic craniosynostosis. This live activity will feature the international leaders of craniofacial distraction who will present, compare and contrast the state of the art techniques of the field. The course format will emphasize indications, alternative and long-term outcomes, encouraging active discussion by the faculty and participants. There is no course that offers the full complement of surgical procedures, state of the art techniques, and the latest innovations in craniofacial distraction featured in this program.

## EDUCATIONAL OBJECTIVES

After participating in this activity, clinicians should be able to:

- Identify the indications for different surgical interventions for jaw and midface reconstruction for a patient affected by Treacher Collins syndrome
- Identify the indications for different surgical interventions for the lower jaw in patients affected by craniofacial microsomia
- Describe the long term effects of midface distraction in patients affected by syndromic craniosynostosis

## TARGET AUDIENCE

Plastic surgeons, otolaryngologists and maxillofacial surgeons in the practice of facial reconstruction

## LOCATION

NYU Langone Health  
435 East 30th Street, Schwartz Lecture Hall E  
New York, NY 10016

## COURSE FEES

**Full:** \$500

**Residents and Fellows:** \$400

## REGISTRATION

[nyulmc.org/craniofacialcme](https://nyulmc.org/craniofacialcme)

After 12 pm on September 15, 2020, only onsite registration is available, provided the course has not reached capacity. Onsite registrants will incur an additional \$20 charge. Registration is non-transferable.

## COURSE APP

Course materials will be distributed electronically via an app. Emails regarding the app will be sent beginning two weeks prior to the course. You will be able to download the app and view the course materials in advance, as well as on the day of the course. The app can also be viewed on a desktop or laptop. The course presentations will be available for view/download/print the week of the course. The course app will remain available for one year after the course.

## REFUND POLICY

Submit your request for a refund of course fees more than \$75 no later than 7 days before the course start date. No refunds will be issued for cancellations or no-shows after that time. To request a refund, email [cme@nyulangone.org](mailto:cme@nyulangone.org). A \$75 administrative fee will be deducted.

## COURSE CANCELLATION POLICY

If a course is cancelled due to inclement weather, insufficient enrollment, or any other reason, NYU SOM will refund registration fees in full. NYU SOM will provide at least two weeks' advance notice if cancelling due to insufficient enrollment and as soon as possible in all other circumstances. NYU SOM is not responsible for any airfare, hotel, or other non-cancellable costs incurred by the registrant.

## CONTACT INFORMATION

NYU Grossman School of Medicine  
Phone: 212-263-5295  
Fax: 212-263-5293  
Email: [cme@nyulangone.org](mailto:cme@nyulangone.org)

## PROVIDED BY

NYU Grossman School of Medicine

## CME ACCREDITATION STATEMENT

The NYU Grossman School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

## CREDIT DESIGNATION STATEMENT

The NYU Grossman School of Medicine designates this live activity for a maximum of 0.00 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## 7:30 am Registration and Continental Breakfast

### Introduction

- 8:00 Opening Remarks**  
Roberto L. Flores, MD
- 8:05 The Early Canine Experience**  
Nolan S. Karp, MD
- 8:15 Craniofacial Distraction: The Family Perspective**  
Patricia D. Chibbaro, MSN, CPNP
- 8:25 Craniofacial Distraction: A Personal Odyssey**  
Joseph G. Mc Carthy, MD

### Robin Sequence

Moderator: Derek Steinbacher, DMD, MD, FACS

- 8:50 Airway Assessment and Non-Surgical Options**  
Scott M. Rickert, MD
- 9:02 Neonatal Mandibular Distraction: What is the Evidence?**  
Roberto L. Flores, MD
- 9:14 Neonatal Mandibular Distraction: Long Term Results**  
Marcus V. Collares, MD, PhD
- 9:26 Tongue Lip Adhesion**  
Albert Oh, MD
- 9:38 Discussion**
- 10:00 Coffee Break**

### Craniofacial Microsomia I

Moderator: Jeffrey Fearon, MD

- 10:20 Early Mandibular Distraction: NYU Protocol**  
Roberto L. Flores, MD
- 10:32 Early Mandibular Distraction: CHOP Protocol**  
Scott P. Bartlett, MD
- 10:44 Two Jaw Distraction**  
Fernando Molina Montalva, MD
- 10:56 Complications of Mandibular Distraction**  
Scott P. Bartlett, MD
- 11:08 Orthodontic Considerations and Long-Term Results**  
Pradip R. Shetye, DDS
- 11:20 Discussion**
- 11:45 Lunch**

### Craniofacial Microsomia II

Moderator: Pradip R. Shetye, DDS

- 12:45 pm Orthognathic Surgery after Mandibular Distraction**  
Derek Steinbacher, DMD, MD, FACS
- 12:57 Bone Graft Reconstruction**  
Scott P. Bartlett, MD
- 1:09 TMJ Prosthesis**  
Alvaro A. Figueroa, DDS, MS
- 1:21 Fat Injection, Genioplasty, and Implants**  
David A. Staffenberg, MD
- 1:33 Free Flap**  
Jamie P. Levine, MD
- 1:45 Discussion**

### Panel Discussion

Moderator: David A. Staffenberg, MD

- 2:10 Craniofacial Microsomia: What Would You Do? When? Why?**  
Scott P. Bartlett, MD,  
Fernando Molina Montalva, MD,  
Alvaro A. Figueroa, DDS, MS,  
Derek Steinbacher, DMD, MD, FACS,  
Roberto L. Flores, MD
- 3:10 Coffee Break**

### Cleft Lip and Palate

Moderator: Roberto L. Flores, MD

- 3:30 LeFort I Distraction with Halo**  
Alvaro A. Figueroa, DDS, MS
- 3:42 LeFort I Distraction with Internal Device**  
Mark Urata, MD, DDS
- 3:54 Alveolar Distraction**  
Elcin Esenlik, DDS, PhD
- 4:06 Traditional Orthognathic Surgery Versus Distraction**  
Derek Steinbacher, DMD, MD, FACS
- 4:18 Two Jaw Surgery, LeFort III with Bilateral Sagittal Split Osteotomy**  
Mark Urata, MD, DDS
- 4:30 Discussion**
- 4:55 Adjourn and Cocktail Reception**

# AGENDA | Friday, September 18, 2020

## 7:30 am Continental Breakfast

### Treacher Collins

Moderator: Jesse A. Taylor, MD

#### 8:00 Orthodontic Considerations

Pradip R. Shetye, DDS

#### 8:12 Mandibular Distraction: Single Vector

Roberto L. Flores, MD

#### 8:24 Mandibular Distraction: Curvilinear

Derek Steinbacher, DMD, MD, FACS

#### 8:36 Traditional Orthognathic Surgery

Mark Urata, MD, DDS

#### 8:48 Counterclockwise Craniofacial Distraction Osteogenesis (C3DO)

Richard A. Hopper, MD, MS

#### 9:00 Discussion

### Craniosynostosis I: Cranial Reconstruction

Moderator: Eric J. Arnaud, MD

#### 9:25 Traditional Cranial Vault Remodeling

David A. Staffenberg, MD

#### 9:37 Posterior Vault Distraction Osteogenesis (PVDO)

Jesse A. Taylor, MD

#### 9:49 Spring-Assisted Cranial Vault Remodeling

Lisa R. David, MD, MBA

#### 10:01 Endoscopic Strip Craniectomy

Mark Proctor, MD

#### 10:13 Discussion

#### 10:35 Coffee Break

### Craniosynostosis II: Subcranial Midface Reconstruction

Moderator: Scott P. Bartlett, MD

#### 10:55 LeFort III Distraction Osteogenesis with Halo

Jeffrey Fearon, MD

#### 11:07 LeFort III Distraction Osteogenesis with Internal Device

David A. Staffenberg, MD

#### 11:19 LeFort III Advancement

Roberto L. Flores, MD

#### 11:31 LeFort II Distraction Osteogenesis with Zygomatic Repositioning

Richard A. Hopper, MD, MS

#### 11:43 Orthodontic Considerations

Pradip R. Shetye, DDS

#### 11:55 Discussion

#### 12:20 pm Lunch

### Craniosynostosis III: Intracranial Midface Reconstruction

Moderator: Fernando Molina Montalva, MD

#### 1:20 Monobloc Advancement

S. Anthony Wolfe, MD

#### 1:32 Monobloc Distraction Osteogenesis with Internal Device

Eric J. Arnaud, MD

#### 1:44 Infant Monobloc Distraction Osteogenesis

Eric J. Arnaud, MD

#### 1:56 Orthomorphic Monobloc

Fernando Molina Montalva, MD

#### 2:08 Monobloc and Facial Bipartition Distraction Osteogenesis with Halo

David Dunaway, MBChB, FRCS

#### 2:20 Facial Bipartition Distraction Osteogenesis with Internal Device

Cassio Eduardo Raposo Amaral, MD, PhD

#### 2:32 Discussion

#### 2:55 Coffee Break

### Panel Discussion

Moderator: Richard A. Hopper, MD, MS

#### 3:15 Craniosynostosis: What Would You Do? When? Why?

Eric J. Arnaud, MD,  
David Dunaway, MBChB, FRCS,  
David A. Staffenberg, MD,  
Jeffrey Fearon, MD,  
Cassio Eduardo Raposo Amaral, MD, PhD

#### 4:15 Innovations and Difficult Cases

Roberto L. Flores, MD

#### 5:15 pm Adjourn

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