



## Day 1: Morning General Session

### 07:00 - 08:00 Registration and Help Desk Open

### 08:00 - 08:10 Conference Opening Session

- Dr. Usama Hamdan, Course Co-Chair
- Dr. Elcin Esenlik, Course Co-Chair
- Erin Stieber, Smile Train

### 08:10 - 09:10 Interdisciplinary Perioperative Considerations

#### **Moderator: Dr. Usama Hamdan (10 mins)**

- Integrated Cleft Care: A Multidisciplinary Team Approach from Prenatal Care to Adulthood, *Dr. Usama Hamdan*
- Perioperative Pediatric Evaluation, *Dr. Jennifer Munoz*
- Feeding Assessment and Modifications for Infants with Clefts, *Dr. Ann Kummer*
- Anesthetic Considerations in Cleft Surgery, *Dr. Navil Sethna*
- Managing Psychosocial Impact of Clefts: Patients & their Families, *Dr. Martin Persson*
- Discussion

### 09:10 - 10:20 Presurgical Orthodontics: Treatment Options & Sequelae

#### **Moderator: Dr. Pedro Santiago (12 mins)**

- Evolution of Presurgical Orthopedic Appliances, *Dr. Pedro Santiago*
- NasoAlveolar Molding, *Dr. Barry Grayson*
- Other Presurgical Orthopedic Techniques, *Dr. Elcin Esenlik*
- Nasal Elevator plus Lip Taping as an Alternative to NAM: Grayson Procedure, *Dr. Daniela Tanikawa*
- Discussion 20 min

### 10:20 – 10:45 Break - Exhibit Area

### 10:45 -12:00 Primary Unilateral Cleft Lip and Nose

#### **Moderator: Dr. Raj Vyas (12 mins)**

- Primary Cleft Lip & Nose: Subunit Approach, *Dr. Raymond Tse*
- Primary Cleft Lip & Nose: Rotation Advancement & V-Cheiloplasty in Unilateral Cleft Lip Repair, *Dr. Usama Hamdan*
- Primary Cleft Lip & Nose: Unilateral Cleft Lip repair (Demystifying the Fisher), *Dr. David Chong*
- Primary Cleft Lip & Nose Repair, *Dr. Philip Chen*
- Unilateral Cleft Lip Repair: The Cutting/Mohler Approach, *Dr. Roberto Flores*
- Discussion: 15 min

### 12:00 -13:10 Lunch



## Day I Afternoon: Surgery

### 13:10 -14:20 Primary Bilateral Cleft Lip and Nose

**Moderator: Dr. Cassio Raposo (12 mins)**

- Bilateral Cleft Lip: Modified Mulliken Approach, *Dr. Beatriz Berenguer*
- Bilateral Cleft Lip: Personal Approach, *Dr. Philip Chen*
- Bilateral Cleft Lip Repair with Pre-Maxillary Setback, *Dr. Usama Hamdan*
- Bilateral Cleft Lip: SOBRAPAR Technique, *Dr. Cassio Raposo*
- Premaxillary Osteotomy for BCLP with Premaxillary Protrusion, *Dr. Shinji Kobayashi*
- Discussion

### 14:20 -14:40 Primary Bilateral Cleft Lip and Nose: Late Presentations, Challenges, and Innovations

**Moderator: Dr. Nivaldo Alonso (10 mins)**

- Late Primary Bilateral Cleft Lip Repair, *Dr. Brian Sommerlad*
- Bilateral Cleft Lip & Nose Repair Under Local Anesthesia in Patients > 12 Years, *Dr. Adam Johnson*

### 14:40 -15:20 Cleft Lip Sequelae: Challenges and Innovations

**Moderator: Dr. Philip Chen (10 mins)**

- Classification System for Cleft Lip Revision, *Dr. Usama Hamdan*
- Lip Revision Techniques in the Older Child, *Dr. Christopher Forrest*
- Septal Repositioning During Primary Cleft Rhinoplasty, *Dr. Raj Vyas*
- Long Term Growth Outcomes of Septal Repositioning in Primary Cleft Lip Repair, *Dr. Christopher Runyan*

### 15:20 -15:45 Break – Exhibit Area

### 15:45 -16:30 Masters Round Table Discussion on Cleft Lip Sequelae

**Moderator: Raymond Tse**

- *Drs. Adam Johnson, Beatriz Berenguer, Brian Sommerlad, Cassio Raposo, Christopher Runyan, Christopher Forrest, Daniela Tanikawa, David Chong, Nivaldo Alonso, Philip Chen, Roberto Flores, Raj Vyas, Raymond Tse, Usama Hamdan*

### Breakout Sessions:

#### 16:30-18:30 Cleft Lip Surgical Simulation Session

**Course Director: Dr. Raymond Tse**

Separate registration required. For registered surgeons only.



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**Day 2 Morning: Surgery & Speech Pathology**

**08:00 - 09:00 Cleft Palate Repair: Challenges and Innovations**

**Moderator: Dr. Brian Sommerlad (10 mins)**

- Primary Palatoplasty: Furlow Technique, *Dr. Joseph Losee*
- Primary Palatoplasty: Sommerlad Technique, *Dr. Brian Sommerlad*
- Anteriorly Based Triangular Flaps in Primary Palate Repair, *Dr. David Gillett*
- Versatility of Buccal Flaps in Primary & Revisional Cleft Palate Surgeries: *Dr. Robert Mann*
- Submucous Cleft: Timing, Treatment Options & Challenges of Repair: *Dr. Corstiaan Breugem*
- Discussion

**9:00 - 10:00 VPI Surgery: Standard Techniques & Speech Consideration**

**Moderator: Dr. Hans Mark (10 mins)**

- Speech Pathology Perspectives, *Dr. Ann Kummer*
- Management of VPI: Graded Approach, *Dr. Syed Altaf Hussein*
- Pharyngeal Flap + Sphincteroplasty, *Dr. Adam Johnson*
- VPI Surgery: Sommerlad Technique, *Dr. Brian Sommerlad*
- VPI Surgery: Furlow Technique, *Dr. Larry Hartzell*
- Discussion

**10:00 - 10:25 Break - Exhibit Area**

**10:25 - 11:35 Fistula Repair & Speech Consideration**

**Moderator: Dr. Syed Altaf Hussain (10 mins)**

- Implications of a Palatal Fistula on Speech Production, *Dr. Kelly Mabry*
- Palatal Fistulae Repair: A Graduated Algorithm, *Dr. Krishna Patel*
- Anatomic Palatal Restoration, *Dr. Robert Mann*
- Bilateral Buccal flaps in Complicated Palatal Fistulae: Per Hall's Technique, *Dr. Hans Mark*
- Unilateral Buccal Flap v/s FEMM v/s Free Flap in Palatal Fistula Repair: *Dr. Corstiaan Breugem*
- Tongue Flap v/s Buccinator Flaps for Palatal Fistulae, *Dr. Rolando Prada*
- Discussion

**11:35 - 12:20 Cleft Palate Repair: Sequelae and Challenges:**

**Masters Round Table Discussion**

**Moderator: Dr. Rolando Prada**

- *Drs. Adam Johnson, Brian Sommerlad, Corstiaan Breugem, David Gillett, Hans Mark, Larry Hartzell, Robert Mann, Rolando Prada, Syed Altaf Hussein*

**12:20 - 13:30 Lunch**



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**Day 2 Afternoon Session: Surgery & Dental/Orthodontics**

**13:30-14:20 Tissue Engineering: Trends and Innovations**

**Moderator: Dr. Roberto Flores (10 mins)**

- Craniofacial Bone Tissue Engineering- Creating Bone in the Growing Skeleton, *Dr. Roberto Flores*
- Bone Tissue Engineering for Craniofacial Reconstruction, *Dr. Christopher Runyan*
- Dental Pulp Stem Cells in Bone Tissue Engineering: Translational Medicine, *Dr. Daniela Tanikawa*
- Skin Tissue Engineering, *Dr. Ibrahim Canter*
- Discussion

**14:20-15:20 Artificial Intelligence, Augmented Reality & Simulation**

**Moderator: Dr. Christopher Runyan (10 mins)**

- Smile Train Simulator, *Dr. Roberto Flores*
- Genesis & Development of Surgical Simulators in Cleft Surgery, *Dr. Christopher Forrest*
- Combining Artificial Intelligence & Augmented Reality for Knowledge & Skill Transfer: *Dr. Raj Vyas*
- 3D Printing of NAM Appliance, *Dr. Puneet Batra*
- AI (Artificial Intelligence) in CLP Orthodontic Treatment, *Dr. Okan Akçam*
- Discussion

**15:20-15:50 Sleep Apnea Management in Cleft Disorders: Challenges & Treatment Options**

**Moderator: Dr. Adam Johnson (10 mins)**

- Impact of Cleft Anatomy & Surgical Interventions on Pediatric OSA, *Dr. Alexander Marston*
- Obstructive Sleep Apnea in CLP: Long Term Developmental Delays, *Dr. Raj Vyas*
- Orthognathic Management of OSA, *Dr. Derek Steinbacher*

**15:50- 16:10 Masters Round Table Discussion**

**Moderator: Dr. Robert Mann**

- *Drs. Adam Johnson, Alexander Marston, Christopher Forrest, Christopher Runyan, Daniela Tanikawa, Derek Steinbacher, Ibrahim Canter, Okan Akçam, Puneet Batra, Raj Vyas, Roberto Flores*

**16:10 -16:30 Break - Exhibit Area**



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## Day 2 Afternoon Breakout Sessions:

### **16:30 -18:30 Cleft Palate Surgical Simulation Session**

**Course Directors:** *Drs. Krishna Patel and Larry Hartzell*

For registered surgeons only. Separate Registration required

### **16:30 – 17:30 Facial Nerve Block Workshop**

**Faculty:** *Drs. Usama Hamdan, Raj Vyas, Alexander Marston, Charanya Vijayakumar*

- Infra-orbital & External Nasal Nerve Blocks in Cleft Lip Surgery
- Greater Palatine & Supra-Zygomatic Maxillary Nerve Blocks in Cleft Palate Surgery
- Mental, Supraorbital, Supra-trochlear, Infra-trochlear Nerve Blocks in Facial Surgery
- Simulation Lab on Facial Nerve Blocks

For registered surgeons only. Separate Registration required

### **16:30-18:30 Psychosocial Workshop: Family and Psychosocial Support in Diverse Global Settings**

**Course Speakers:** *Dr. Martin Persson and Gareth Davies*

This course is open to all with separate registration.

The United Nations Sustainable Development Goals include educational attainment and mental health as essential variables. Simultaneously, research indicates that individuals with cleft are more at risk of adverse educational attainment and/or poor mental health outcomes. These factors are also exacerbated depending on the living situation. This session will highlight the psychosocial challenges for individuals and families with cleft in a global context. Moreover, a strategy for how to provide support via different modalities in healthcare and community settings will be introduced.



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**Day 3 Morning: Surgery & Dental/Orthodontics**

**08:00 - 08:50 Craniofacial Growth & Impact of Treatment Modalities**

**Moderator: Dr. Bonnie Padwa (10 mins)**

- NasoAlveolar Molding: Long Term Results of the NYU Treatment Protocol, *Dr. Roberto Flores*
- Influence of Surgical Techniques & Timing of Primary Repair on Interarch Relationship in UCLP, *Dr. Daniela Garib*
- Timing of Primary Surgery & Impact on CF Growth, *Dr. Arnaud Picard*
- Effect of Various Surgical Techniques on CF Growth, *Dr. Hans Mark*
- Discussion

**08:50 – 10:10 Alveolar Bone Graft**

**Moderator: Dr. Derek Steinbacher (10 mins)**

- Gingivoperiosteoplasty: Why I Do It, *Dr. Roberto Flores*
- Wide Clefts: Gingivoperioplasties, Long Term Follow Up, *Dr. Marcus Collares*
- Maxillary Arch Preparation for Alveolar Bone Grafting, *Dr. Pedro Santiago*
- Alveolar Bone Graft without Presurgical Orthodontics, *Dr. Bonnie Padwa*
- Cancellous Iliac Bone Graft under Age 6 years in Deciduous Dentition, *Dr. Arnaud Picard*
- Practical Approach to ABG: Prepared v/s Unprepared Cases, *Dr. Charanya Vijayakumar*
- BMP for Alveolar Bone Grafting, *Dr. Nivaldo Alonso*
- Discussion

**10:10-10:35 Break**

**10:35 – 11:55 Orthognathic Surgery: Planning, Protocols and Predictability**

**Moderator: Dr. Christopher Forrest (10 mins)**

- 2D and 3D Surgical Planning for Cleft Orthognathic Surgery, *TBA*
- LeFort I Advancement, *Dr. Christopher Forrest*
- Two Jaw Orthognathic Surgery, *Dr. Rolando Prada*
- Multi-Piece Orthognathic Surgery, *Dr. Derek Steinbacher*
- LeFort I Distraction, *Dr. Cassio Raposo*
- Anterior Maxillary Distraction: *Dr. Marcus Collares*
- Alveolar Distraction, *Dr. Elcin Esenlik*
- Orthognathic Surgery in Outreach Settings, *Dr. Bonnie Padwa*

**11:55-12:15 Masters Round Table Discussion on Orthognathic Surgery**

**Moderators: Dr. Cassio Raposo & TBA**

- *Drs. Bonnie Padwa, Cassio Raposo, Christopher Forrest, Daniela Garib, Derek Steinbacher, Elcin Esenlik, Marcus Collares, Okan Akçam, Pedro Santiago, Rolando Prada, Tiago Turri*

**12:15 - 13:25 Lunch**



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**Day 3 Afternoon: Surgery**

**13:25 - 14:05 Rhinoplasty in Cleft Lip Patients**

**Moderator: Dr. David Gillett (10 min)**

- Primary Cleft Rhinoplasty, *Dr. Beatriz Berenguer*
- Adult Cleft Rhinoplasty, *Dr. Derek Steinbacher*
- Secondary Rhinoplasty, *Dr. Christopher Forrest*
- Discussion

**14:05 - 14:55 Rare Facial Cleft**

**Moderator: Dr. Marcus Collares (10 mins)**

- Atypical Facial Clefts, *Dr. David Chong*
- Surgical Treatment of Arrhina, *Dr. Rolando Prada*
- Macrostomia: Functional & Aesthetic Repair, *Dr. Usama Hamdan & Dr. Alex Marston*
- Tessier Facial Cleft, *Dr. Nivaldo Alonso*
- Discussion

**14:55 - 15:20 Break - Exhibit Area**

**Rejoining General Session**

**15:20 - 16:00 World Cleft Coalition: Proposals for Safe & Sustainable Comprehensive Cleft Care**

**Moderator: Dr. Corstiaan Breugem**

- WCC Founding Member Organizations:
  - European Cleft organization: *Gareth Davies*
  - Global Smile Foundation: *Drs. Serena Kassam & Usama Hamdan*
  - Operation Smile: *Dr. Ruben Ayala*
  - Smile Train: *Erin Stieber*
  - Transforming Faces, *Hugh Brewster*
- CLEFT, *Dr. Brian Sommerlad (Guest Panelist)*
- Deutsche Cleft & ABMSS, *Dr. Dushyant Prasad (Guest Panelist)*
- Discussion

**16:00 – 16:00 Global Standardization of Assessment Scales in CLP Care: Working Group**

***Tentative Program***

**Moderator: Carolyn Rogers**

- *Drs. Ann Kummer, Brian Sommerlad, Carolyn Rogers, Corstiaan Breugem, Martin Persson, Puneet Batra, Roberto Flores, Usama Hamdan*

**16:40 - 17:00 Conference Closing Session**

- *Dr. Usama Hamdan*
- *Dr. Elcin Esenlik*