



# South African Comprehensive Cleft Care Workshop

Cape Town, South Africa

23-24 October 2024

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## Day 1 – Infant-Toddler Comprehensive Cleft Care

### Conference Opening Remarks

**8:00-8:10** Usama Hamdan & Saleigh Adams (UCT)

**8:10-9:00 Integrated Cleft Care: An Interdisciplinary Team Approach**

**Moderator: Dr. Mosadi Mahoko**

- Integrated Cleft Care: A Multidisciplinary Team Approach from Prenatal Care to Adulthood, **Dr. Usama Hamdan**
- Managing Psychosocial Impact of Clefts: Patients & their Families, **Dr. Martin Persson (V)**
- Nasal Elevator & Lip Taping: Useful Alternative to NAM in Low-Resource Settings **Dr. Elcin Esenlik**
- Feeding Assessment and Modifications for Infants with Clefts, **Dr. Ann Kummer (V)**
- Discussion

**9:00-10:00 Primary Unilateral Cleft Lip and Nose Repair**

**Moderator: Dr. Jordan Swanson**

- Primary Cleft Lip & Nose: Subunit Approach, **Dr. Jordan Swanson**
- Primary Unilateral Cleft Lip: Personal Approach, **Dr. Philip Chen (IP/V)**
- Primary Cleft Lip & Nose: Rotation Advancement & V-Cheiloplasty in Unilateral Cleft Lip Repair, **Dr. Usama Hamdan**
- Primary Cleft Lip & Nose Repair: Personal Approach, **Dr. Anil Madaree**
- Primary Cleft Lip & Nose Repair: Personal Approach, **Dr. Raj Vyas**
- Advantages & Disadvantages soft Vomer Flap in primary Lip Repair, **Dr. Corstiaan Breugem**
- Discussion

**10:10-10:30 Coffee Break**

### **10:30-11:10 Primary Bilateral Cleft Lip and Nose Repair**

**Moderator: Dr. Philip Chen**

- Bilateral Cleft Lip Repair: Personal Approach, **Dr. Philip Chen**
- Challenges in African Bilateral Cleft Lip Repair: **Dr. Mekonen Eshete**
- Late Primary Bilateral Cleft Lip Repair, **Dr. Joseph Losee**
- Discussion

### **11:10-12:30 Cleft Palate Repair: Challenges and Innovations**

**Moderator: Dr. Joseph Losee**

- 11:10-11:30 Evolution of Palatoplasty, **Dr. Joseph Losee**
- 11:30-11:40 The CHOP Modification of the Furlow Palatoplasty, **Dr. Jordan Swanson**
- 11:40-11:50 Radical Muscle Repair and Minimal Hard Palate Surgery, **Dr. Brian Sommerlad (V)**
- 11:50-12:00 Intravelar Veloplasty and VPI Outcomes, **Dr. Charanya Vijayakumar**
- 12:00-12:10 Submucous Clefts: Diagnosis, Treatment Options and Challenges of Repair, **Dr. Corstiaan Breugem**
- 12:10-12:20 Analyzing the Cleft Defect, **Dr. Robert Mann**
- 12:20-12:30 Discussion

### **12:30-13:30 Lunch**

### **13:30-14:00 Palatal Fistulae: Classification, Prevention & Management**

**Moderator: Dr. Anil Madaree**

- 13:30-13:40 The "Reconstructive Ladder" of Fistula Repair, **Dr. Jordan Swanson**
- 13:40-14:00 "Palatal Fistula; How to Classify and plan its closure", **Dr. Ghulam Qadir Fayyaz (V)**

### **14:00-14:30 Velopharyngeal Insufficiency: Evaluation and Management**

**Moderator: African v/s Bob Mann**

- 14:00-14:15 VPI Diagnosis & Recommending the Appropriate Surgical Procedure, **Dr. Ann Kummer(V)**
- 14:15-14:30 Strategies for VPI Treatment (p-flap, sphincter, revision Furlow, buccal), **Dr. Joseph Losee**

### 14:30-15:00 Integrated Master's Round Table Discussion

Moderator: **Dr. Corstiaan Breugem**

Faculty:

- *In-Person:* Mosadi Mahoko, Saleigh Adams, Corstiaan Breugem, Usama Hamdan, Philip Chen, Anil Madaree, Joseph Losee, Jordan Swanson, Charanya Vijayakumar, Mekonen Eshete, Robert Mann, Meshach Onguti, Elcin Esenlik
- *Virtual:* Brian Sommerlad, Ann W. Kummer, Martin Persson, Ghulam Qadir Fayyaz

### 15:00-16:30 Models of Cleft Care for Africa: Challenges and Path for the Future

Moderator: **Dr. Saleigh Adams**

- 15:00-15:10 "Barriers to Comprehensive Cleft Care in Africa: Challenges & solutions", **Dr. Saleigh Adams**
- 15:10-15:20 "The Epidemiology of Cleft Lip and Palate in Southern Africa", **Dr. Phumzile Hlongwa**
- 15:20-15:30 "Surgery Training & Capacity Development in Sub-Saharan Africa", **Dr. Salome Maswime**
- 15:30-15:40 "Enhancing Training in Interdisciplinary Care: Fellowship, Research", **Dr. Shazia Peer**

### 15:40 – 16:30 Integrated Master's Round Table Discussion *African Challenges & African Solutions (TBD)*

- Bridging the Gap in Team **Afro-Centered** Cleft Training
- Regional Workshops
- East African Outreach Medical Programs: Structured & Sustainable, **Dr. Meshoch Onguti**
- Simulation Training (multi-specialty) Phumzile Hlongwa
- Distant Proctoring
- Affiliation with International Teaching Institutions
- Enhancing African Research/Publication Capacity

### 16:30-17:00 PM Coffee Break

### 17:00-19:00 Cleft Lip Surgical Simulation Lab

Lead Trainer: **Dr. Jordan Swanson & Philip Chen**

Faculty: *Anil Madaree, Charanya Vijayakumar, Corstiaan Breugem, Mekonen Eshete, Meshach Onguti, Joseph Losee, Saleigh Adams*

### 17:00-19:00 Nasal Elevator & Lip Taping Simulation Lab

Lead Trainer: **Dr. Elcin Esenlik**

Faculty: *Phumzile Hlongwa*

## Day 2 – Applicable Surgical Solutions for Challenging Cleft Lip & Palate Patients

**8:00-12:00 Live Surgery:** Usama Hamdan, Saleigh Adams & Jordan Swanson

### ***Single-Stage Posterior Vomerine Ostectomy & Primary Cheiloplasty in BCLP Patients with Protuberant Premaxilla***

- Challenges & solutions for managing protuberant premaxilla: Lecture (15 min)
- Case discussion
- Anesthesia considerations: (Cost effective methods for utilization in LMIC regions)
  - ET tube used, positioning, taping, throat pack, etc.
    - ET Tube: Oral Rae
    - Other options for preformed ET tubes
  - Facial nerve blocks
  - Vomerine local anesthesia injection technique
  - Local infiltration
  - Local anesthesia mixture
- Single stage surgical intervention that includes:
  - Vomerine ostectomy posterior to VPS
  - Bilateral Gingivoperioplasties
  - Bilateral cleft lip repair
  - Step-down technique in BCL repair to ensure Cupid's Bow symmetry & shape
  - Bilateral cleft lip primary rhinoplasty:
    - Alar base suspending suture, alar lobule transfixion sutures, soft triangle suspending sutures, double-dome sutures, etc.
  - Triangular & quadrangular sutures in nostril & Cupid's Bow reconstruction
- Q&A

**10:30-11:00 Coffee Break**

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

**13:30-15:00 Versatility of Buccal Flaps in Primary & Secondary Palatal Surgery:**  
**Lead Faculty: Dr. Raj Vyas**

- Primary Palatoplasty utilizing the Anatomic Cleft Restoration Philosophy, **Dr. Robert Mann**
  - Versatility of Bilateral Buccal Flaps in Primary & Revisional Cleft Palate Surgeries
  - When to use buccal flaps
  - Refinements in Buccal Flap Surgery

- Getting the Patients to Normal Anatomy!
- Advantages & Limitations of Unilateral Buccal Flap, **Dr. Corstiaan Breugem**
- Utilization of Buccal Fat in Furlow's Z-Plasty, **Dr. Joseph Losee**

**15:00-15:30 Coffee Break**

**15:30-17:30 Buccal Flaps Surgical Simulation Lab**

**Lead Trainer: Dr. Robert Mann**

*Faculty: Jordan Swanson, Corstiaan Breugem, Charanya Vijayakumar, Mosadi Mahoko, Saleigh Adams, Joseph Losee*

**18:00-18:15 Closing Ceremony**

**Dr. Usama Hamdan & Dr. Saleigh Adams**

**18:30-19:30 Cocktail Party**