Scientific Program

Salvador, Bahia, Brazil

August 23-25, 2007 | Pestana Bahia Hotel
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<td>17-31</td>
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</table>
GENERAL CONGRESS INFORMATION

**Registration/Information Desk/Secretariat—August 23-25**
Jorge Amado Room reception area

**Cyber Café & Speakers’ Prep Area—August 23-25**
Jorge Amado Room reception area

7:30 AM to 6:00 PM

**Panel Sessions—Thursday, August 23**
Gregorio de Matos Room
7:30 AM to 6:00 PM

**Scientific Sessions—Friday, August 24 and Saturday, August 25**
Gregorio de Matos Room
8:00 AM to 6:00 PM

**Poster Sessions—August 23-25**
Drumond de Andrade Room and Graciliano Ramos Room
Poster viewing open daily from 7:00 AM to 8:00 PM Thursday and Friday, 7:00 AM to 5:00 PM Saturday

**Welcome Reception—Thursday, August 23**
Catarineta
6:30 PM to 8:00 PM

**Business Meeting—Friday, August 24**
Guimaraes Rosa Room
12:30 PM to 2:30 PM
For ISCF S Members only. Box lunch provided

**Gala Dinner—Friday, August 24**
Fernando Pessoa Room
Cocktails: 7:00 PM
Dinner: 8:00 PM to 10:00 PM. Black tie

**Exhibits—August 23-25**
Jorge Amado Room
Exhibit viewing open daily from 7:00 AM to 6:00 PM

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**Tours**

**Accompanying Persons Tours (Optional)**

**August 23:** Panoramic Tour, lunch at Trapiche da Adelaide, cocktail, and a visit to H. Stern, the worldwide Brazilian-based gem company.

**August 24:** Visit to the Historic Center, lunch in a restaurant at Pelourinho, shopping at Modelo Market (handicraft stalls featuring traditional and popular items in leather, straw, wood, laces, semiprecious stones and silver, in addition to foods and drinks.)

**August 25:** Visit to Praia do Forte
Praia do Forte is a small fishing village/resort town 50 miles north of Salvador. It is an ecological reserve—headquarters of the extensive national turtle preservation project with an excellent visitors center. Near the village is a small pantanal, a wetland area that is host to some of the most abundant bird life in Bahia. Please visit the Congress Registration Desk for information on these and post-Congress Tours.

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**Vice President:**
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Bengt Johanson, MD, Sweden
Henry K. Kawamoto, MD, USA
Daniel Marchac, MD, France
Joseph G. McCarthy, MD, USA
Ian R. Munro, MD, USA
Joseph E. Murray, MD, USA
Fernando Ortiz-Monasterio, MD, Mexico
Jorge Psillakis, MD, Mexico
Kenneth E. Salyer, MD, USA
Michael Striker, MD, France
Paul L. Tessier, MD, France
Jacques van der Meulen, MD, The Netherlands
Linton A. Whitaker, MD, USA
S. Anthony Wolfe, MD, USA
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<thead>
<tr>
<th>Thursday, August 23</th>
<th>Panel Sessions—Gregorio de Matos Room</th>
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<td>7:30 AM-8:30 AM</td>
<td>Panel 2: Bone Morphogenetic Proteins</td>
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<td>Panel 4: Soft Tissue Growths and Deficiencies</td>
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<td>Lunch at Catarineta</td>
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<td>12:30 PM-1:45 PM</td>
<td>Panel 5: Craniofacial Orthodontics</td>
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<td>1:45 PM-3:45 PM</td>
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<td>Break</td>
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<td>4:00 PM-5:00 PM</td>
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<td>5:00 PM-6:00 PM</td>
<td>Panel 8: Ethics</td>
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<td>6:00 PM</td>
<td>Session Closing</td>
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<tr>
<td>6:30 PM-8:00 PM</td>
<td>Welcome Reception with Capoeira Show—Catarineta</td>
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<td>Then enjoy dinner on your own</td>
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**Note:** Times noted subject to change.

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**ISCFS XII Biennial International Congress**

**International Society of Craniofacial Surgery**

**Scientific Program**

**AGENDA AT-A-GLANCE**

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<td><strong>Exhibitor Set-Up</strong></td>
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<td>Jorge Armado Room</td>
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<td>8:00 AM-3:00 PM</td>
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<tr>
<td><strong>Council Meeting</strong></td>
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<tr>
<td>Guimaraes Rosa Room</td>
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<td>3:00 PM-5:00 PM</td>
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<tr>
<td><strong>Congress Registration</strong></td>
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<tr>
<td>Jorge Amado Room</td>
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<td>3:00 PM-5:00 PM</td>
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**Friday, August 24 | Scientific Sessions—Gregorio de Matos Room**

| 7:00 AM-8:00 PM | Poster Sessions—Drumond de Andrade Room and Graciliano Ramos Room |
| 7:00 AM-5:00 PM | Exhibits—Jorge Armado Room |
| 7:00 AM         | Congress Registration—Jorge Amado Room reception area |
| 7:30 AM-8:00 AM | Coffee |
| 8:00 AM-8:15 AM | Official Opening and Welcome |
| 8:15 AM-8:45 AM | Ouro Preto—Black Gold: The Brazilian History through the Coffee Saga |
| 8:45 AM-9:15 AM | Congress Introduction: The Gold Standard in Craniofacial Surgery |
| 9:15 AM-9:30 AM | An Overview of the Work of Cassio Raposo do Amaral, MD, PhD |
| 9:30 AM-10:30 AM| Session 1: Basic Science (part 1) |
| 10:30 AM-11:00 AM| Break |
| 11:00 AM-11:20 AM| Session 1: Basic Science (part 2) |
| 11:20 AM-12:00 NOON | Session 2: Hemifacial Microsoma |
| 12:00 NOON-12:30 PM | Session 3: Pierre Robin |
| 12:30 PM-2:30 PM | Business Meeting, ISCFS Members Only—Guimaraes Rosa Room | Box Lunches |
| 2:30 PM-3:15 PM | Non-members lunch at Catarineta |
| 3:15 PM-3:45 PM | Session 4: Clefts |
| 3:45 PM-4:15 PM | Session 5: Orthognathic/Mandible (part 1) |
| 4:15 PM-5:15 PM | Break |
| 5:15 PM-6:00 PM | Session 5: Orthognathic/Mandible (part 2) |
| 6:00 PM         | Session 6: Aesthetic |
| 7:00 PM         | Session Closing |
| 8:00 PM         | Presidential Banquet (Black Tie)—Fernando Pessoa Room |

**Saturday, August 25 | Scientific Sessions—Gregorio de Matos Room**

| 7:00 AM-5:00 PM | Poster Sessions—Drumond de Andrade Room and Graciliano Ramos Room |
| 7:00 AM-5:00 PM | Exhibits—Jorge Armado Room |
| 7:00 AM         | Coffee |
| 7:00 AM-7:30 AM | Session 7: Tumors |
| 7:30 AM-8:30 AM | Session 8: Hypertelorism and Orbital Dystopias |
| 8:30 AM-10:30 AM| Break |
| 10:30 AM-10:45 AM| Session 9: Crouzon/Apert |
| 10:45 AM-12:00 NOON | Session 10: Distraction (part 1) |
| 12:00 NOON-12:30 PM | Lunch at Catarineta |
| 12:30 PM-1:30 PM | Session 10: Distraction (part 2) |
| 1:30 PM-2:15 PM | Session 11: Craniosynostosis (part 1) |
| 2:15 PM-3:40 PM | Break |
| 3:40 PM-4:00 PM | Session 11: Craniosynostosis (part 2) |
| 4:00 PM-5:00 PM | Experience in Human Facial Transplantation |
| 5:00 PM-6:00 PM | Christophe Mour, MD—First Human Facial Transplantation: 20 Month Results |
| 6:00 PM         | Laurent Lantieri, MD—Facial Transplantation for Plexiform Neurofibroma |
|                 | Congress Closing |

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Salvador, Bahia, Brazil | August 23-25, 2007 | 3
COMMERCIAL SUPPORTERS
The ISCFS gratefully acknowledges the generous support of our commercial sponsors, whose financial contributions have made this meeting possible:

**Platinum Level: Premium Congress Partner ($25,000)**
The Platinum Level of Commercial Support is our most prestigious level and is reserved for our Congress Partners. Our partners make this educational meeting possible by providing funding used to support all aspects of the Congress. The Partner level of support demonstrates a long-term commitment to the field of craniofacial surgery, for which we at the ISCFS are grateful. Support from our Partners benefits everyone involved with the Congress. Our Congress Partners for this 2007 meeting are:

![Medtronic](image1)
![KLS Martin](image2)

**Gold Level ($12,000)**

![Bionet Microfixation](image3)

**Silver Level ($10,000)**

![Ethicon](image4)

**Best Scientific Paper and Best Scientific Poster Awards ($1,000 each)**
- OrthoPro Associates

**EXHIBITORS—Jorge Armado Room**
- 3dMD
- CIS
- Eincobio
- Ethicon Endo-Surgery, Inc.
- Implamed Implantes Especializados Com. Imp. Exp.
- KLS Martin
- Medical Modeling LLC
- Medtronic
- Silimed Comércio Produtos Médico Hospitalares Ltda.
- Stryker Brasil
- Syntech Comércio Importação e Exportação Ltda.
- Synthes Ind. e Com. Ltda.

**Congress Endorsed by:**

![Sobrapar](image5)
![American Society of Plastic Surgeons](image6)
![IPRAS](image7)
![ESCFS](image8)
![American Society of Craniofacial Surgery](image9)
**Wednesday, August 22, 2007**

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<tr>
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**Thursday, August 23, 2007**

**Panel Sessions—Gregorio de Matos Room**

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<td>Panel 1: Ballistic Injuries</td>
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<tr>
<td>Chair:</td>
<td>Raymond Harshbarger, MD, MAJ, MC; Walter Reed Army Medical Center (US)</td>
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<td>Panel:</td>
<td>Eduardo D. Rodriguez, MD, DDS; University of Maryland Medical Center (US)</td>
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<td>Joseph S. Gruss, MB, B CHIR, FRCS; University of Washington (US)</td>
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<td>David Hemmy, MD; University of Wisconsin-Milwaukee (US)</td>
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<td></td>
<td>Vera Raposo do Amaral, PhD; SOBRAPAR (Brazil)</td>
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<td>8:30 AM-9:30 AM</td>
<td>Panel 2: Bone Morphogenetic Proteins</td>
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<tr>
<td>Chair:</td>
<td>James P. Bradley, MD, University of California Los Angeles (US)</td>
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<td>Panel:</td>
<td>Michael H. Carstens, MD, FACS, Saint Louis University (US)</td>
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<td>David C. Matthews, MD, Charlotte, North Carolina (US)</td>
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<td>William F. McKay, MD, Medtronic (US)</td>
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<td>9:30 AM-10:00 AM</td>
<td>Break</td>
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<tr>
<td>Chair:</td>
<td>Joseph G. McCarthy, MD, New York University (US)</td>
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<td>Panel:</td>
<td>Eric Arnaud, MD, Hôpital Necker Enfants-Malades (France)</td>
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<td>Jose I. Garri, MD, DMD, University of Miami (US)</td>
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<td>Fernando Molina, MD, Hospital General Manuel Gea González (Mexico)</td>
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<td>Carmen Gloria Morovic, MD, University of Chile (Chile)</td>
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<td></td>
<td>Kenneth E. Salyer, MD, World Craniofacial Foundation (US)</td>
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<td>11:00 AM-12:30 PM</td>
<td>Panel 4: Difficult Overgrowth Disorders</td>
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<tr>
<td>Chair:</td>
<td>Ian T. Jackson, MD; Providence Hospital and Medical Centers (US)</td>
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<tr>
<td>Panel:</td>
<td>Claudio Angrigiani, MD; Marko Foundation (Argentina)</td>
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<td>Joseph S. Gruss, MB, B CHIR, FRCS; University of Washington (US)</td>
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<td></td>
<td>McKay McKinnon, MD; University of Chicago (US)</td>
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<td>1:45 PM-2:45 PM</td>
<td>Panel 5: Craniofacial Orthodontics</td>
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<tr>
<td>Chair:</td>
<td>Barry H. Grayson, DDS; New York University Medical Center (US)</td>
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<td>Panel:</td>
<td>Alvaro Figueroa, DDS; Rush University (US)</td>
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<td>Pedro Santiago, DMD; University of Puerto Rico School of Dentistry, Puerto Rico (US)</td>
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<td>Lisa Vecchione, DMD; University of Pittsburgh Medical Center (US)</td>
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<td>2:45 PM-3:45 PM</td>
<td>Panel 6: Neurosurgery</td>
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<td>Chair:</td>
<td>Glenn Morrison, MD; Miami Children's Hospital (US)</td>
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<td>Panel:</td>
<td>James T. Goodrich, MD, PhD; Albert Einstein College of Medicine (US)</td>
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<td>Claes Lauritzen, MD, PhD; Sahlgrenska University Hospital (Sweden)</td>
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<td>Gabriel Mufarraj, MD (Brazil)</td>
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<td>Dominique Renier, MD; Hôpital Necker Enfants-Malades (France)</td>
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<td>Henry K. Kawamoto, Jr., DDS, MD; University of California Los Angeles (US)</td>
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<td>Vera Lúcia Nocchi Cardim, PhD; Hospital Beneficiência Portuguesa de São Paulo (Brazil)</td>
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<td>Michael J. Yaremchuk, MD; Harvard Medical School (US)</td>
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<td>5:00 PM-6:00 PM</td>
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<td>Panel:</td>
<td>Carol Balabushka, Parent Advocate (US)</td>
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<td>John A. Persing, MD; Yale University (US)</td>
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<td>Lauro Frederico Barbosa Silveira, PhD; State University of São Paulo (Brazil)</td>
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<td>6:00 PM</td>
<td>Session Closing</td>
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Enjoy Dinner on your own at one of Salvador's wonderful restaurants. See Congress Information Desk for suggestions.

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## Friday 24 August
Scientific Sessions—Gregorio de Matos Room

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<td>A History of Coffee in Brazil</td>
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<td>Luis Norberto Pascoal</td>
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<td>S. Anthony Wolfe, MD, Miami Children’s Hospital</td>
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<td><strong>An Overview of the Work of Cassio Raposo do Amaral, MD, PhD</strong></td>
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<td>Presented by Cassio Eduardo Raposo do Amaral, MD, SOBRAPAR Hospital</td>
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<td>9:30 AM-10:00 AM</td>
<td><strong>Session 1A—Basic Science</strong></td>
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<td><strong>Session Chairmen:</strong> Steven A. Walt, FRCS (UK) and Ricardo Lopez da Cruz, MD (Brazil)</td>
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### 1274 (4 min.)
Osteogenic Induction of Dural Cells in an Acellular Dermal Matrix

- **Primary Author:** Rebecca B. Horn, MD
- **Affiliation:** Children’s Hospital of Philadelphia
- **Co-Authors:** Brian U. Ang, MD, Ryan M. Spivak, MS, Antoneta Radu, BS, Hyun-Duck Nah, DMD, PhD, and Richard E. Kirschner, MD

### 1278 (4 min.)
BMP-2 and Adipose-Derived Stem Cells in the Reconstruction of Large-Scale Calvarial Defects

- **Primary Author:** Joseph E. Losee, MD
- **Affiliation:** University of Pittsburgh
- **Co-Authors:** Darren M. Smith, MD, Ahmed M. Alifi, MD, Mark P. Mooney, PhD, Kacey G. Marra, PhD, and Gregory M. Cooper, PhD

### 1279 (4 min.)
Deminerlized Bone Matrix (DBX) and Resorbable Plate Laminate: A Novel Way to Reconstruct Large-Scale Pediatric Calvarial Defects

- **Primary Author:** Shao Jiang, MD
- **Affiliation:** University of Pittsburgh
- **Co-Authors:** Darren M. Smith, MD, Ian I. Pollack, MD, John Giroto, MD, Christopher Gordon, MD, and Joseph Losee, MD

Note: Scientific Program details are subject to change.
1281 (4 min.)
**Force-dependent Antagonistic Balance and the Origin of Cranial Suture Morphology**
Primary Author: Jack C. Yu, MD, DMD
Affiliation: Medical College of Georgia
Co-Authors: James Borke, PhD, J. R. Chen, Karl H. Wenger, and Guigen Zhang

1393 (4 min.)
**In Utero Gene Delivery of Virally Encoded TGF-beta3 Rescues Cleft Palate in a TGF-beta3 Knockout Mouse**
Primary Author: Ryan M. Spivak, MS
Affiliation: Children’s Hospital of Philadelphia
Co-Authors: Masayuki Endo, MD, PhD, Philip W. Zoltick, MD, Allison Zajac, BS, Brian U. Ang, MD, Rebecca B. Horn, MD, Alan W. Flake, MD, Richard E. Kirschner, MD, and Hyun-Duck Nah, DMD, PhD

1591 (4 min.)
**The Future of Mandibular Distraction Osteogenesis and its use in an Irradiated Field**
Primary Author: Steven R. Buchman, MD
Affiliation: University of Michigan Medical Center

Discussion (8 min.)

10:00 AM-10:30 AM
Session 1B—Basic Science
Session Chairman: Arun Gosain, MD (US) and Antonio Fuente del Campo, MD (Mexico)

1354 (4 min.)
**Noggin suppression enhances in vivo bone formation**
Primary Author: Derrick C. Wan, MD
Affiliation: Stanford University School of Medicine
Co-Authors: Jason Pomerantz, MD, Lisa Brunet, PhD, Jae-Beom Kim, PhD, Yu-Fen Chou, PhD, Matthew Kwan, MD, Bethany Slater, MD, Deepak Gupta, MD, Benjamin Wu, DDS, PhD, Richard Harland, PhD, Helen Blau, PhD, and Michael Longaker, MD

1375 (4 min.)
**Refining retinoic acid stimulation of murine adipose-derived stromal cells accelerates in vivo bone formation**
Primary Author: Derrick C. Wan, MD
Affiliation: Stanford University School of Medicine
Co-Authors: Matthew Siedhoff, MD, Matthew Kwan, MD, Randall Nacamuli, MD, Bethany Slater, MD, Deepak Gupta, MD, Benjamin Wu, DDS, PhD, and Michael Longaker, MD

1419 (4 min.)
**Rotation of cranial sutures to determine the role of regional dura mater on cranial suture fate**
Primary Author: Bethany J. Slater, MD
Affiliation: Stanford University School of Medicine
Co-Authors: Matthew Kwan, MD, Deepak Gupta, MD, Rainy Amasha, BS, Derrick Wan, MD, and Michael Longaker, MD

1429 (4 min.)
**The Influence of the Fetal Keratinocyte in Scarless Repair**
Primary Author: Anuja K. Antony, MD
Affiliation: Stanford University Medical Center
Co-Authors: WuYi Kong, MD, PhD, and H. Peter Lorenz, MD
### Friday 24 August
Scientific Sessions—*Gregorio de Matos Room*

<table>
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<th>Session Number</th>
<th>Duration</th>
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<th>Primary Author</th>
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<th>Co-Authors</th>
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<tr>
<td>1479</td>
<td>4 min.</td>
<td>Experimental cranial vault reconstruction with mesenchymal stem cells transfected with vascular endothelial growth factor</td>
<td>Ciro Paz Portinho, MD</td>
<td>Serviço de Cirurgia Plástica - Hospital de Clínicas de Porto Alegre - Brasil</td>
<td>Marcelo Matiana, MD, Marcus Collares, MD, PhD, Flávia Silva, MS, Lindolfo Meirelles, PhD, Nance Nardi, PhD, Rinaldo Pinto, MD, Márcia Riboldi, MS, Evandro Siqueira, MD, Gustavo Morellato, MB, and Luise Meurer, MD</td>
</tr>
<tr>
<td>1491</td>
<td>4 min.</td>
<td>Apert p.Ser252Trp mutation in FGFR2 alters the proliferative and osteogenic potential of cranial periosteal cells and promotes a unique gene expression signature: new insights for the understanding of premature suture closure</td>
<td>Roberto Dalto Fanganiello, BSc</td>
<td>Instituto de Biociências, Universidade de São Paulo</td>
<td>A.L. Sertié, E.M. Reis, E. Yeh, N.A.J. Oliveira, D.F. Bueno, I. Kerkis, Sérgio Cavalheiro, MD, Nivaldo Alonso, MD, PhD, Hamilton Matsushita, Renato Freitas, MD, S. Verjovsky-Almeida, and M.R.S. Passos-Bueno</td>
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Discussion (8 min.)

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<thead>
<tr>
<th>Time</th>
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<th>Session Chairman: Steven A. Wall, FRCS (UK) and Arun Gosain, MD (US)</th>
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<tr>
<td>10:30 AM-11:00 AM</td>
<td>Break</td>
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<tr>
<td>11:00 AM-11:20 AM</td>
<td>Session 1C—Basic Science</td>
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<th>Session Number</th>
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<th>Affiliation</th>
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<tbody>
<tr>
<td>1284</td>
<td>4 min.</td>
<td>Pediatric Orbital Fractures: Classification and Management</td>
<td>Ahmed Afifi, MD</td>
<td>University of Pittsburgh</td>
<td>Darren Smith, MD, Frederick Deleyiannis, MD, Shao Jiang, MD, Richard Hertle, and Joseph Losee, MD</td>
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<tr>
<td>1095</td>
<td>6 min.</td>
<td>Clinical Applications of Recombinant Human Bone Morphogenetic Protein in Craniofacial Surgery</td>
<td>Michael H. Carstens, MD, FACS</td>
<td>Cardinal Glennon Children's Hospital, Saint Louis University</td>
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<tr>
<td>1597</td>
<td>4 min.</td>
<td>Switch Cranioplasty and BMP-2 in a Hemicranial Reconstruction in an Infant</td>
<td>Silvio Podda, MD</td>
<td>St. Joseph's Children's Hospital (New Jersey)</td>
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Discussion (5 min.)

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<tr>
<th>Time</th>
<th>Session 2—Hemifacial Microsomia</th>
<th>Session Chairman: Fernando Molina, MD (Mexico) and Juan Carlos Rodríguez, MD (Argentina)</th>
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<td>11:20 AM-12:00 NOON</td>
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Note: Scientific Program details are subject to change.
1138 (6 min.)
Hemifacial Microsomia—Case Series and Treatment Protocol
Primary Author: Jesse A. Taylor, MD
Affiliation: Hospital General Manuel Gea González
Co-Authors: Christian Morales, MD, and Fernando Ortiz-Monasterio

1257 (4 min.)
Tongue Dysmorphology in Craniofacial Microsomia
Primary Author: Elliott Chen, MD
Affiliation: Children’s Hospital of Philadelphia
Co-Authors: Chuma Chike-Obi, Russell Reid, MD, and Scott Bartlett, MD

1146 (4 min.)
Surgical and therapeutic management for congenital hypoplasia of the tongue:
A single case study
Primary Author: Elizabeth E. Sperry, ScD, SLP
Affiliation: International Craniofacial Institute
Co-Authors: Carlos R. Barceló, MD, and David G. Genecov, MD, FACS

1288A (4 min.)
Hemifacial microsomia, 16 years long term results. Current challenges and expanding opportunities
Primary Author: Fernando Molina, MD
Affiliation: Hospital General Manuel Gea González

1498 (4 min.)
Microsurgical Correction of Craniofacial Malformations: A Fifteen-Year Experience
Primary Author: Pierre B. Saadeh, MD
Affiliation: New York University Medical Center
Co-Authors: Stephen M. Warren, MD, Joseph G. McCarthy, MD, and John W. Siebert, MD

1228 (6 min.)
Treacher Collins syndrome: Protocol management from birth to maturity
Primary Author: James T. Thompson, MD
Affiliation: Wake Forest University
Co-Author: Peter Anderson, MBChB, FRACS, and David J. David, AC

Discussion (8 min.)

12:00 NOON-12:30 PM
Session 3—Pierre Robin
Session Chairmen: Nivaldo Alonso, MD, PhD (Brazil) and Anil Madaree, Mb ChB, FRCS, FCS (South Africa)

1323 (4 min.)
Analysis of Tongue-Lip Adhesion in Management of Robin Sequence: Determinants of Successful Outcome
Primary Author: Gary F. Rogers, MD
Affiliation: Children’s Hospital Boston
Co-Authors: Ananth Murthy, MD, and John B. Mulliken, MD
Mandibular Growth Is Not the Same in All Patients with Robin Sequence
Primary Author: Gary F. Rogers, MD
Affiliation: Children's Hospital Boston
Co-Authors: Bonnie Padwa, DMD, MD, and John B. Mulliken, MD

Pierre Robin’s Sequence neonatal mandibular osteogenic distraction: Its influence on the cleft palate transverse dimension. A morphometric study
Primary Author: Marcus Collares, MD, PhD
Affiliation: Hospital de Clinicas de Porto Alegre, Santa Casa de Porto Alegre – UFRGS
Co-Authors: Rinaldo Pinto, MD, and Ciro Portinho, MD

Use Of Osteogenic Mandibular Distraction In Neonates With Pierre Robin Sequence—Eight Year Experience
Primary Author: Marcus Collares, MD, PhD
Affiliation: Hospital de Clinicas de Porto Alegre, Santa Casa de Porto Alegre – UFRGS
Co-Authors: Rinaldo Pinto, MD, Ciro Portinho, MD, and Antônio Oliveira, MD

Neonatal Mandibular Distraction in Pierre Robin Sequence
Primary Author: Robert Havlik, MD
Affiliation: Riley Hospital for Children, Indiana University
Co-Authors: Arno R. Schleich, MD, and Craig Hurst, MD

Ex Utero Intrapartum (EXIT) Management of Micrognathia with Distraction
Primary Author: Christopher B. Gordon, MD
Affiliation: University of Cincinnati
Co-Authors: Rian Maercks, MD, Gerald J. Cho, BS, X. Pilar Reyna Rodriguez, DDS, and Leopoldo Landa, MD, DMD

Discussion (6 min.)

12:30 PM-2:30 PM
Business Meeting, ISCFS Members Only—Guimaraes Rosa Room. Box Lunches. Non-members lunch in Catarineta

2:30 PM-2:45 PM
Session 4A—Clefts
Session Chairmen: Nivaldo Alonso, MD, PhD (Brazil) and Anil Madaree, Mb ChB, FRCS, FCS (South Africa)

Encephalocele Associated with Facial Cleft
Primary Author: Anil Madaree, Mb ChB, FRCS, FCS
Affiliation: Department of Plastic and Reconstructive Surgery, Inkosi Albert Luthuli Central Hospital
Co-Authors: Warwick Morris, Ewa Siolo, and Peter Le Roux

Note: Scientific Program details are subject to change.
Friday, August 24, 2007
Scientific Sessions—Gregorio de Matos Room

1280 (4 min.)
Progress in Palatoplasty: Strategies to Eliminate Fistulae
Primary Author: Darren M. Smith, MD
Affiliation: University of Pittsburgh
Co-Authors: Shao Jiang, MD, Lisa Vecchione, DMD, Matthew Ford, MS, CCC-SLP, Ahmed Afifi, MD, and Joseph Losee, MD

1192 (4 min.)
The outcome of redo-palatoplasty in velopharyngeal insufficiency 13 cases in experience of Ramathibodi Hospital, Thailand
Primary Author: Chalermpong Chatokmaiprai, MD
Affiliation: Ramathibodi Hospital, University of Mahidol

Discussion (3 min.)
2:45 PM-3:15 PM
Session 4B—Clefts
Session Chairmen: Nivaldo Alonso, MD, PhD (Brazil) and Anil Madaree, Mb ChB, FRCS, FCS (South Africa)

1261 (4 min.)
Improved results in secondary cleft lip rhinoplasty – the modified Vissarionov technique
Primary Author: Robert M. Menard, MD, FACS
Affiliation: Stanford University
Co-Author: Michael Friduss, MD

1312 (4 min.)
“Open-closed” rhinoplasty with composite lateral nasal graft in the management of the bilateral cleft lip nose: stability of results at two-years
Primary Author: Michael H. Carstens, MD, FACS
Affiliation: Cardinal Glennon Children’s Hospital, Saint Louis University

1339 (4 min.)
Anthropometric Evaluation of Nasal Morphology in Bilateral Cleft Lip and Palate Following Nasoalveolar Molding: 12 Year Follow-Up
Primary Author: Judah S. Garfinkle, DMD
Affiliation: New York University Medical Center Institute of Reconstructive Plastic Surgery
Co-Authors: Timothy W. King, MD, Barry H. Grayson, DDS, Lawrence E. Brecht, DDS, and Court B. Cutting, MD

1161 (4 min.)
Correction of Nostril Stenosis and Alteration of Nostril Shape with an Orthonostric Device
Primary Author: Martha L. Mejia, DDS
Affiliation: Miami Children’s Hospital

1347 (4 min.)
Long-term psychological functioning in patients with a rare facial cleft: factors with differentiating qualities for those in need of professional support
Primary Author: Sarah Versnel, MD
Affiliation: Erasmus Medical Centre Rotterdam
Co-Author: Irene M.J. Mathijsen, MD

Note: Scientific Program details are subject to change.
3:15 PM-3:45 PM
Session 5A—Orthognathic/Mandible
Session Chairmen: Fernando Molina, MD (Mexico) and Vera Lúcia Nocchi Cardim, PhD (Brazil)

1166 (4 min.)
The Rotterdam Palatal Distractor for widening the narrow maxilla in craniofacial anomalies
Primary Author: Eppo Wolvius, DDS, MD
Affiliation: Craniofacial Centre, Erasmus Medical Centre Rotterdam
Co-Authors: Karel Van der Wal, DDS, MD, Edwin Ongkosuwito, Maarten Koudstaal, DDS, MD, and Léon van Adrichem, MD, PhD

1268 (4 min.)
Le Fort I Osteotomy: Study of 100 Brazilian Cases
Primary Author: Francisco V. Mello-Filho, MD, PhD
Affiliation: School of Medicine of Ribeirão Preto, University of São Paulo
Co-Authors: Rodrigo Brigato, MD, PhD, Antonio Augusto Velasco e Cruz, MD, PhD, Andrea Neves, DDS, and José Rildo Oliveira-Filho

1301 (4 min.)
Long-term follow up of mandibular reconstruction with occipitoparietal bone flap in children
Primary Author: Pedro Dogliotti, MD, PhD
Affiliation: National Pediatric Hospital
Co-Authors: Emmanuela Nadal, MD, and Ines Ulfe Aguirre, DMD

1593 (4 min.)
Long-term results after mandibular reconstruction using autogenous rib grafts in pediatric patients
Primary Author: Andre M. Eckardt, MD, DDS, PhD
Affiliation: Hannover Medical School
Co-Authors: Johannes Berten and Peter Brachvogel

1310 (4 min.)
Bimaxillary osteodistraction for the treatment of facial asymmetry: evaluation using photography and three-dimensional CT scan
Primary Author: Max Pereira, MD, PhD
Affiliation: Federal University of São Paulo
Co-Authors: Tessie Kreniski, Bardella Nelson, and Lydia Ferreira

3:45 PM-4:15 PM
Discussion (8 min.)

4:15 PM-4:45 PM
Session 5B—Orthognathic/Mandible
Session Chairmen: Fernando Molina, MD (Mexico) and Vera Lúcia Nocchi Cardim, PhD (Brazil)
Friday, August 24, 2007
Scientific Sessions—Gregorio de Matos Room

1314 (4 min.)
Tessier Number 7 Cleft – A New Subclassification and Management Protocol
Primary Author: Roger Woods, MBBS
Affiliation: Australian Craniofacial Unit
Co-Authors: Sanjay Varma, FRCS, and David J. David, AC

1318 (4 min.)
Use of Computed Tomography to determine correlation between maxillary expansion and appliance opening after surgically assisted rapid palatal expansion
Primary Author: Dov Charles Goldenberg, MD, PhD
Affiliation: Craniofacial Unit, University of São Paulo School of Medicine
Co-Authors: Nivaldo Alonso, MD, PhD, Fernanda C. Goldenberg, DDS, PhD, Eloisa S. Gebrin, MD, PhD, Teresinha S. Amaral, DDS, Marco A. Scanavini, DDS, PhD, and Marcus C. Ferreira, MD, PhD

1330 (4 min.)
Primary Author: Sophia Chia-Ning Chang, MD, PhD
Affiliation: China Medical University Hospital
Co-Authors: Philip Chen, MD, Yu-Ray Chen, MD, and Ching-Shiouw Tseng, PhD

1344 (4 min.)
Esthetic smile analysis after surgically assisted rapid palatal expansion
Primary Author: Ana Paula Morales C. de Carvalho
Affiliation: Universidade Metodista de São Paulo
Co-Authors: Fernanda C. Goldenberg, DDS, PhD, Lylian Kanashiro, and Dov Charles Goldenberg, MD, PhD

1372 (4 min.)
Using 3D imaging technology and mathematical models of normal variation to improve planning of surgery for facial asymmetry
Primary Author: Allan Ponniah, MD
Affiliation: Great Ormond Street Hospital for Children
Co-Authors: Helen Witherow, FDS, FRCS, Robin Richards, Cliff Ruff, Robert Evans, MScD, FRSFRCS, and David J. Dunaway, FRCs

Discussion (8 min.)

4:45 PM-5:15 PM
Session 5C—Orthognathic/Mandible
Session Chairmen: Fernando Molina, MD (Mexico) and Robert Havlik, MD (US)

1454 (4 min.)
Anteroparotid transmasseteric approach of mandibular subcondylar fractures. A prospective study
Primary Author: Natacha Kadlub, MD
Affiliation: Burgundy University Hospital
Co-Authors: Olivier Trost, MD, Jerome Parmentier, MD, Nicolas Robe, MD, Pierre Trouilloud, MD, and Gabriel Malka, MD

Note: Scientific Program details are subject to change.
### Pediatric TMJ Dysfunction: Etiology, Epidemiology, Classification, and Treatment Modalities
- **Primary Author**: Alexander Allori, MD, MPH
- **Affiliation**: New York University Medical Center
- **Co-Authors**: Christopher C. Chang, Stephen M. Warren, MD, and Joseph G. McCarthy, MD

### Reviewing 16 Years of Mandibular Distraction Osteogenesis with a New Stratified Surgical Complication Reporting System
- **Primary Author**: Sacha I. Obaid, MD
- **Affiliation**: New York University Medical Center
- **Co-Authors**: Stephen M. Warren, MD, Judah S. Garfinkle, DMD, Pradin R. Shetye, DDS, Barry H. Grayson, DDS, and Joseph G. McCarthy, MD

### Distraction Osteogenesis in TMJ Ankylosis
- **Primary Author**: Rodrigo Farinha, MD
- **Affiliation**: Maxillofacial Department, Hospital Exequiel Gonzalez Cortes and Hospital Del Salvador
- **Co-Author**: M. Loreto Castellón, DMD

### Dynamic Distraction Treatment for Mandibular Condylar Fracture Application of a Dynamic Internal Distraction Device
- **Primary Author**: Yorikatsu Watanabe, MD
- **Affiliation**: Tokyo Metropolitan Police Hospital
- **Co-Authors**: Akizuki Tanetaka, Youichi Terashima, Kei Yoshimura, Ayanori Sugita, Tsuyoshi Ozawa, Tuyoshi Agawa, and Tomoyuki Ohta

### The Role of Free Tissue Transfer in the Severely Hypoplastic Mandible
- **Primary Author**: Salvatore C. Lettieri, MD, FACS
- **Affiliation**: Maricopa Medical Center
- **Co-Author**: Stephen P. Beals, MD

### Discussion (8 min.)
- **Session 6—Aesthetic**
- **Session Chairmen**: David C. Matthews, MD (US) and Antonio Fuente del Campo, MD (Mexico)

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**Note:** Scientific Program details are subject to change.
Friday, August 24, 2007
Panel Sessions—Gregorio de Matos Room

1391 (4 min.)
Lipostructure: An Efficient Adjunct to Facial Contour
Primary Author: Marco Túlio J. Amarante, MD
Affiliation: Day Clinic

1233 (4 min.)
Chin setback: Avoiding blunting of the labiomental fold
Primary Author: Maria Fernanda Valotta, MD
Affiliation: Hospital Universitario Universidad Abierta Interamericana

Discussion (5 min.)

6:00 PM
Session Closing

7:00 PM
Cocktails

8:00 PM
Dinner

Presidential Banquet (Black Tie)—Fernando Pessoa Room

Note: Scientific Program details are subject to change.
### Scientific Sessions—Gregorio de Matos Room

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<td>7:00 AM-5:00 PM</td>
<td>Exhibits—Jorge Armado Room</td>
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<td>7:00 AM-7:30 AM</td>
<td>Coffee</td>
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<tr>
<td>7:30 AM-8:00 AM</td>
<td>Session 7A—Tumors</td>
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<td></td>
<td>Session Chairmen: Ian T. Jackson, MD (US) and Pedro Dogliotti, MD, PhD (Argentina)</td>
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**Session 7A—Tumors**

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<th>Co-Author(s)</th>
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<td>Craniofacial Fibrous Dysplasia Review of the Literature and Experience from 1997 to 2007</td>
<td>Fernando Fabrício Franco, MD (Resident)</td>
<td>SOBRAPAR</td>
<td>Leonardo Santos Barros Spencer, Alexander Farinas Pinheiro, Eduardo Villas Boas Braga, César Augusto Raposo do Amaral, MD, Daniel Rogge Caroni, Cassio Eduardo Raposo do Amaral, MD, Marcelo Campos Guidi, and Celso Luiz Buzzo, MD</td>
</tr>
<tr>
<td>Clinical and radiological characteristics of orbital involvement in Fibrous dysplasia. Implications for loss of vision</td>
<td>Antonio Augusto Velasco e Cruz, MD, PhD</td>
<td>School of Medicine of Ribeirão Preto, University of São Paulo</td>
<td>Flavia De Castro, MD, Antonio C. dos Santos, Francisco Veríssimo de Mello, and Gustavo Eichenberger</td>
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<tr>
<td>Giant Intraosseous Hemangioma of the Mandible: A Therapeutic Dilemma</td>
<td>Francisco V. Mello-Filho, MD, PhD</td>
<td>School of Medicine of Ribeirão Preto, University of São Paulo</td>
<td>Rodrigo R. Brigato, MD, PhD, R. C. M. Mamede, H. M. A. Ricz, G. C. D. Eichenberger, and Juliano Borges Mano, MD</td>
</tr>
<tr>
<td>Pathological Studies of Proteus Syndrome</td>
<td>Peter Anderson, MBChB, FRACS</td>
<td>Australian Craniofacial Unit</td>
<td>David J. David, AC, Stan Gronthos, PhD, Sharon Paton, BSc, Barry Vernon-Roberts, MD, and Andrew Zanettino, PhD</td>
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<tr>
<td>Problem Cases of Orbital and Invasive Cranial Vault Tumors</td>
<td>Aycan Kayıkçıoğlu, MD</td>
<td>Hacettepe University Faculty of Medicine</td>
<td>Gökhan Tunçbilek, MD, and Yuscel Erk, MD</td>
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Note: Scientific Program details are subject to change.
### Saturday, August 25, 2007

**Scientific Sessions — Gregorio de Matos Room**

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<tr>
<td>1359</td>
<td>Two-Stage Surgical Treatment of Severe Cherubism</td>
<td>Cassio Eduardo Raposo do Amaral, MD</td>
<td>SOBRAPAR</td>
<td>Marcelo de Campos Guidi, Stephen M. Warren, MD, Ana Beatriz Almeida, Eliane M. Ingrid Amstalden, Valdenize Tiziane, César Augusto Raposo do Amaral, MD, and Cassio Menezes Raposo do Amaral, MD, PhD</td>
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<td>1471</td>
<td>Major Invasive Tumors in the Orbital Region in Children and Adults</td>
<td>Kenneth E. Salyer, MD</td>
<td>World Craniofacial Foundation</td>
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<tr>
<td>1484</td>
<td>Use of the External Pectoralis Myocutaneous Major Flap (PMMF) in anterior base skull reconstruction</td>
<td>Natacha Kadlub, MD</td>
<td>Yale Medical School of Medicine, Department of Plastic Surgery</td>
<td>Joseph Shin, MD, Thomas Dellatorre, MD, Stephen Ariyan, MD, FACS, and Douglas Ross, MD, FACS</td>
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<tr>
<td>1269</td>
<td>Biplanar Cervicofacial Flap for Reconstruction of Orbital Region Defects</td>
<td>Antonio Augusto Velasco e Cruz, MD</td>
<td>School of Medicine of Ribeirão Preto, University of São Paulo</td>
<td>Rodrigo R. Brigato, MD, PhD, Francisco V. Mello-Filho, MD, PhD, and G. C. D. Eichenberger</td>
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<td>1525</td>
<td>Microsurgery reconstruction of head and neck: experience and complications in Hospital of Clinics of UFBA</td>
<td>Marcelo Sacramento Cunha, MD</td>
<td></td>
<td>Rogério Ramos, Marcus Barroso, Cláudia Patricia Alves, Luiza Fadul, Bruno Badaró, and Roberta Hirata</td>
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**Discussion** (8 min.)

**8:00 AM-8:30 AM**

**Session 7B—Tumors**

**Session Chairmen:** Ian T. Jackson, MD (US) and Pedro Dogliotti, MD, PhD (Argentina)

**1570 (6 min.)**

**Facial Duplication – Report of 7 Cases**

Primary Author: Anil Madaree, Mb ChB, FRCS, FCS

Affiliation: Inkosi Albert Luthuli Central Hospital

Co-Author: Warwick Morris, Ewa Siolo, Patric Uys, Peter Le Roux, and M. Daya

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**Note:** Scientific Program details are subject to change.
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<tr>
<td>1382</td>
<td>(4 min.)</td>
<td>Craniopagus Twin Separation: Case Report</td>
<td>Mauricio Mitsuro Yoshida</td>
<td>Craniofacial Unit, Division of Plastic Surgery, University of São Paulo School of Medicine</td>
<td>Nivaldo Alonso, MD, PhD, Hamilton Matushita, Dov Charles Goldenberg, MD, PhD, Enis Donizetti, Lucilia Faria, and Giovanna Koishi</td>
</tr>
<tr>
<td>1579</td>
<td>(4 min.)</td>
<td>Two Sets of Craniopagus Separated Using A Staged Technique: The Sensible Approach</td>
<td>David Staffenberg, MD</td>
<td>The Children's Hospital at Montefiore, Albert Einstein College of Medicine</td>
<td>Richard Hayward, FRCS, David J. Dunaway, FRCS, and James Goodrich, MD</td>
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<td>1120</td>
<td>(4 min.)</td>
<td>Nasal Reconstruction in Orbital Hypertelorism—Improvement of aesthetic results and operative time utilizing anthropometric guidelines and a gradual pre-fabricate osteocartilagenous framework</td>
<td>Juan Martin Chavanne, MD</td>
<td>San Isidro Children's Hospital</td>
<td>Diego Steinberg, MD, and Esteban Laguiglia</td>
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<tr>
<td>1282</td>
<td>(4 min.)</td>
<td>Treatment of Four Patients with A Rare Craniofacial Anomaly: Frontofacionasal Dysostosis</td>
<td>Gökhan Tunçbilek, MD</td>
<td>Hacettepe University Faculty of Medicine Dept. Plastic Surgery</td>
<td>Aycan Kayıkçıoğlu, MD, Ibrahim Vargel, MD, and Yücel Eri, MD</td>
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<td>1290</td>
<td>(4 min.)</td>
<td>Midface rotation-advancement – repairing of Tessier No. 3 and No. 4 craniofacial clefts with facial unit and muscle repositioning</td>
<td>Philip Kuo-Ting Chen, MD</td>
<td>Craniofacial Center, Chang Gung Memorial Hospital</td>
<td>Yu-Ray Chen, MD</td>
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<td>1247</td>
<td>(4 min.)</td>
<td>Globe and eyelid positional changes induced by monobloc frontofacial advancement with distraction osteogenesis</td>
<td>Antonio Augusto Velasco e Cruz, MD, PhD</td>
<td>School of Medicine of Ribeirão Preto, University of São Paulo</td>
<td>Patricia Mitiko S. Akaishi, Eric Arnaud, MD, Daniel Marchac, MD, and Dominique Renier, MD</td>
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Note: Scientific Program details are subject to change.
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<tr>
<th>Time</th>
<th>Session 8C—Hypertelorism and Orbital Dystopias</th>
<th>Session 8D—Hypertelorism and Orbital Dystopias</th>
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<tr>
<td>9:30 AM-9:45 AM</td>
<td><strong>Discussion (6 min.)</strong></td>
<td><strong>Session 8D—Hypertelorism and Orbital Dystopias</strong></td>
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<tr>
<td>9:30 AM-9:45 AM</td>
<td>Session Chairmen: Henry K. Kawamoto, Jr., DDS, MD (US) and Luis Margaride, MD (Argentina)</td>
<td>Session Chairmen: Henry K. Kawamoto, Jr., DDS, MD (US) and Antonio Fuente del Campo, MD (Mexico)</td>
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<tr>
<td>1296 (4 min.)</td>
<td><strong>Modified transconjunctival orbital osteotomies for exorbitism in Graves ophthalmopathy</strong></td>
<td><strong>1322 (4 min.)</strong> Orbital Hypertelorism: A Difficult Anomaly to Correct</td>
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<td>Primary Author: Charles Davis, FRACS</td>
<td>Primary Author: Gökhan Tunçbilek, MD</td>
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<tr>
<td></td>
<td>Affiliation: Central &amp; Southern New Zealand Craniofacial Program</td>
<td>Affiliation: Hacettepe University Faculty of Medicine Dept. Plastic Surgery</td>
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<tr>
<td>1438 (4 min.)</td>
<td><strong>Transconjunctival versus Subciliary Approaches for Orbital Fracture Repair: Is there a difference in complication rate at a teaching trauma center?</strong></td>
<td><strong>1527 (4 min.)</strong> Facial Bipartition with Monobloc Distraction using Roman Keystone Arch Fixation</td>
</tr>
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<td>Primary Author: Endrigo Oliveira Bastos, MD</td>
<td>Primary Author: James P. Bradley, MD</td>
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<tr>
<td></td>
<td>Affiliation: Craniofacial Unit, Division of Plastic Surgery, University of São Paulo School of Medicine</td>
<td>Affiliation: UCLA Plastic &amp; Reconstructive Surgery</td>
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<td>Co-Authors: Dov Charles Goldenberg, MD, PhD, Alexandre Fonseca, MD, Eduardo Kanashiro, MD, Daniel Lima, MD, and Nivaldo Alonso, MD</td>
<td>Co-Authors: Cassio Eduardo Raposo do Amaral, MD, Reza Jarrahy, MD, and Henry Kawamoto, Jr., DDS, MD</td>
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<td></td>
<td><strong>Discussion (3 min.)</strong></td>
<td><strong>1483 (4 min.)</strong> Transcranial interorbital correction of hypertelorism: A modified segmental osteotomy for cranioorbital disproportion</td>
</tr>
<tr>
<td>10:00 AM-10:30 AM</td>
<td>Session Chairmen: Henry K. Kawamoto, Jr., DDS, MD (US) and Antonio Fuente del Campo, MD (Mexico)</td>
<td>Primary Author: Charles Davis, FRACS</td>
</tr>
<tr>
<td></td>
<td>Affiliation: Central &amp; Southern New Zealand Craniofacial Program</td>
<td>Affiliation: Central &amp; Southern New Zealand Craniofacial Program</td>
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</tbody>
</table>
1493  (4 min.)
Frontoethmoidal Encephalomeningocele: The Review of Surgical Procedures in 14 Cases in Ramathibodi Hospital, Thailand
Primary Author: Chalermpong Chatdukmaiprai, MD
Affiliation: Ramathibodi Hospital, Mahidol University

1412  (4 min.)
Interdisciplinary Management in an Infant with A Huge Occipital Encephalocele and Complex Brain Malformation
Primary Author: Cornelius Klein, MD, DMD, PhD
Affiliation: University of Frankfurt
Co-Authors: Matthias Kieslich and Rüdiger Gerlach

1504  (4 min.)
Tessier #5 Rare Facial Cleft: Surgical Repair of 5 Cases
Primary Author: Renato da Silva Freitas, MD
Affiliation: Craniofacial Unit, Division of Plastic Surgery, University of São Paulo School of Medicine
Co-Authors: Nivaldo Alonso, MD, Lady Canan Junior, MD, Luciano Busato, and André Ricardo D. Tollazi

Discussion  (5 min.)

10:30 AM-10:45 AM  Break

10:45 AM-11:15 AM  Session 9A—Crouzon/Apert
Session Chairmen: Joseph S. Gruss, MB, B CHIR, FRCS (US) and Dov Charles Goldenberg, MD, PhD (Brazil)

1164  (4 min.)
Progressive cerebral edema as a complication of Le Fort III osteotomy: a case report
Primary Author: Eppe Wolvius, DDS, MD
Affiliation: Craniofacial Centre, Erasmus Medical Centre Rotterdam
Co-Authors: Jacques van der Meulen, MD, Irene M.J. Mathijssen, MD, and Marie-Lise C. van Veelen

1538  (4 min.)
Blindness as a Possible Complication of Monobloc Frontofacial Advancement with Distraction Osteogenesis
Primary Author: Eduardo Kanashiro, MD
Affiliation: University of São Paulo School of Medicine
Co-Authors: Alexandre Fonseca, MD, Endrigo Oliveira Bastos, MD, Dov Charles Goldenberg, MD, PhD, Hamilton Matsushita, and Nivaldo Alonso, MD

1176  (4 min.)
Elevated ICP in Patients with Apert, Crouzon, and Pfeiffer Syndrome; Prevalence, Diagnostic Tools, Efficacy of Treatment and Risk Factors
Primary Author: Irene M.J. Mathijssen, MD
Affiliation: Erasmus University Medical Center Rotterdam, Sophia Children’s Hospital
Co-Authors: Natalja Bannink, MD, Mari-Lise van Veelen, Marjolijn Bartels, Léon van Adrichem, MD, PhD, Jacques van der Meulen, MD, J. Michiel Vaandrager, T.H. Rob de Jong, Robert Tasker, and Koen Joosten
1473 (4 min.)
Raised Intracranial Pressure in Apert Syndrome
Primary Author: Damian Marucci, FRACS
Affiliation: Great Ormond Street Hospital for Children
Co-Authors: David J. Dunaway, FRCS, Barry Jones, FRCS, and Richard Hayward, FRCS

Discussion (6 min.)

11:15 AM-11:30 AM
Session 9B—Crouzon/Apert
Session Chairmen: Joseph S. Gruss, MB, BCHIR, FRCS (US) and Dov Charles Goldenberg, MD, PhD (Brazil)

1288B (4 min.)
Success and problems in treating craniosynostosis with distraction: Analyses of 86 patients over 12 years
Primary Author: Fernando Molina, MD
Affiliation: Hospital General Manuel Gea González

1324 (4 min.)
Management of syndromic craniosynostosis. Analysis of 45 consecutive cases
Primary Author: Ricardo Santos de Oliveira, MD, PhD
Affiliation: Division of Pediatric Neurosurgery Ribeirão Preto School of Medicine, University of São Paulo, Campus Universitário
Co-Authors: Antonio Augusto Velasco e Cruz, MD, PhD, Francisco Mello-Filho, MD, PhD, Nivaldo Alonso, MD, and Helio Machado, MD, PhD

1367 (4 min.)
Bipartition distraction using the RED frame, in the management of Apert syndrome
Primary Author: Helen Witherow, FDS, FRCS
Affiliation: Great Ormond Street Hospital for Children
Co-Authors: Allan Ponniah, MD, Robert Evans, MScD, FRSFRCS, Richard Hayward, FRCS, Barry Jones, FRCS, and David J. Dunaway, FRCS

Discussion (3 min.)

11:30 AM-12:00 Noon
Session 9C—Crouzon/Apert
Session Chairmen: Joseph S. Gruss, MB, BCHIR, FRCS (US) and Dov Charles Goldenberg, MD, PhD (Brazil)

1369 (4 min.)
Does facial distraction of patients with craniofacial dysostosis cause the facial skeleton to bend?
Primary Author: Allan Ponniah, MD
Affiliation: Great Ormond Street Hospital for Children
Co-Authors: Helen Witherow, FDS, FRCS, Robin Richards, Robert Evans, MScD, FRSFRCS, and David J. Dunaway, FRCS

Note: Scientific Program details are subject to change.
1398 (4 min.)
Primary Grafting with Autologous Cranial Particulate Bone Prevents Osseous Defects Following Fronto-orbital Advancement
Primary Author: John B. Mulliken, MD
Affiliation: Children's Hospital Boston
Co-Authors: Arin Greene, MD, Mark R. Proctor, MD, and Gary F. Rogers, MD

1399 (4 min.)
Pediatric Cranioplasty Using Autologous Cranial Particulate Bone Graft: An 18-Year Experience
Primary Author: John B. Mulliken, MD
Affiliation: Children's Hospital Boston
Co-Authors: Arin Greene, MD, Mark R. Proctor, MD, and Gary F. Rogers, MD

1506 (4 min.)
Staged Correction of Cloverleaf Skull Deformity
Primary Author: Reza Jarrahy, MD
Affiliation: UCLA Plastic & Reconstructive Surgery
Co-Authors: James Bradley, MD, and Henry Kawamoto, Jr., DDS, MD

1507 (4 min.)
Valencia del Rey Syndrome: A Novel Craniofacial Syndrome with a Dominant Inheritance and Variable Presentation Maps to a Novel TWIST1 Allele: Insight into Normal Craniofacial Development?
Primary Author: Christopher B. Gordon, MD
Affiliation: University of Cincinnati
Co-Authors: Leopoldo Landa, MD, DMD, Gerald J. Cho, BS, Catherine Ebert, BS, Cristina Jimenez, MD, and Bruce Aronow, PhD

Discussion (5 min.)

12:00 Noon-12:30 PM
Session 10A—Distraction
Session Chairmen: Joseph G. McCarthy, MD (US) and Carmen Gloria Morovic, MD (Chile)

1443 (4 min.)
Distraction Rate and Latency: Factors in the Outcome of Pediatric Maxillary Distraction
Primary Author: Patrick Cole, MD
Affiliation: Baylor College of Medicine
Co-Authors: Stephen Higuera, Vince Boyd, and Larry Hollier

1361 (4 min.)
Objective 3-D evaluation of the changes induced to the upper airway after different levels of distraction osteogenesis of the facial skeleton, clinical correlation to correction of Obstructive Sleep Apnea
Primary Author: Carlos R. Barceló, MD
Affiliation: International Craniofacial Institute
Co-Authors: David G. Genecov, MD, FACS, Timothy Trone, MD, Kenneth Salyer, MD, Thomas Hung, MD, Crys Sory, MD, and Elizabeth E. Sperry, ScD, SLP
Saturday, August 25, 2007
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1240 (4 min.)
Assessment of Airway Stenosis in Midface Distraction Osteogenesis
Primary Author: Mu Xiongzheng, MD, PhD
Affiliation: Shanghai Ninth Hospital, Shanghai Jiaotong University

1511 (4 min.)
Airway Changes Following LeFort III Distraction Osteogenesis for Syndromic Craniosynostosis: A Clinical and Cephalometric Study
Primary Author: Roberto Flores, MD
Affiliation: New York University Medical Center
Co-Authors: Pradip Shetye, DDS, Daniel Zeitler, MD, Joseph Bernstein, MD, Edwin Wang, MD, Stephen M. Warren, MD, Barry H. Grayson, DDS, and Joseph G. McCarthy, MD

1303 (4 min.)
Tracheo-bronchial anomalies in syndromic craniosynostosis: diagnosis and evaluation by 3-dimensional CT image and bronchoscopy
Primary Author: Hiroshi Matsumoto, MD
Affiliation: Osaka City General Hospital
Co-Authors: Keisuke Imai, MD, Hiroaki Sakamoto, MD, Tomoaki Nakano, MD, Akira Yanada, MD, Kuniyuki Morimoto, MD, and Heishiro Fujikawa, MD

1468 (4 min.)
Respiratory status after monobloc frontofacial advancement with distraction: a transient improvement?
Primary Author: Eric Arnaud, MD
Affiliation: Hôpital Necker Enfants-Malades
Co-Author: Philippe Guérin, MD, Marie-Paule Morisseau-Durand, MD, Vincent Coulloigner, MD, PhD, Yves Manach, MD, and Dominique Renier, MD

Discussion (8 min.)

12:30 PM-1:30 PM Lunch at Catarineta

1:30 PM-1:45 PM
Session 10B—Distraction
Session Chairmen: Joseph G. McCarthy, MD (US) and Carmen Gloria Morovic, MD (Chile)

1218 (4 min.)
Validity of distraction osteogenesis for craniosynostosis
Primary Author: Kaneshige Satoh, MD
Affiliation: St. Mary’s Hospital
Co-Author: Nobuyuki Mitsukawa, MD

1215 (4 min.)
Le Fort III maxillary distraction: Selection of Suitable Devices in our 40 consecutive series
Primary Author: Kaneshige Satoh, MD
Affiliation: St. Mary’s Hospital
Co-Author: Nobuyuki Mitsukawa, MD

Note: Scientific Program details are subject to change.
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<tr>
<th>Session Time</th>
<th>Session Title</th>
<th>Primary Author</th>
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<th>Co-Author(s)</th>
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<tr>
<td>1:45 PM-2:15 PM</td>
<td>Long Term Follow-Up in Craniofacial Distraction: Comparison of 3 Different Groups</td>
<td>Cassio Eduardo Raposo do Amaral</td>
<td>SOBRA PAR</td>
<td>Celso Luis Buzo, MD, Marcelo Campos Guidi, and Cassio Menezes Raposo do Amaral, MD, PhD</td>
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<td>Discussion</td>
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<td>1:45 PM-2:15 PM</td>
<td>Prevention and Management of Cerebro-Spinal Fluid Leak in Fronto-Facial Monobloc Advancement with Internal Distractors</td>
<td>Federico Di Rocco, MD</td>
<td>Hôpital Necker Enfants-Malades</td>
<td>Sue Antunnez, MD, Eric Arnaud, MD, Daniel Marchac, MD, and Dominique Renier, MD</td>
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<tr>
<td>1:45 PM-2:15 PM</td>
<td>Frontofacial Distraction in the Very Young</td>
<td>David J. Dunaway, FRCS</td>
<td>Great Ormond Street Hospital for Children</td>
<td>Robert Evans, MScD, FRSFRCs, Barry Jones, FRCS, Caroline Mills, Helen Witherow, FDS, FRCS, and Richard Hayward, FRCS</td>
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<tr>
<td>1:45 PM-2:15 PM</td>
<td>Case report: Midface distraction without osteotomies in a 4-month old child with severe respiratory obstruction</td>
<td>Frank Graewe, MD</td>
<td>University of Stellenbosch, Cape Town, South Africa</td>
<td>Jean Morkel, DDS, and Alexander Zuehlke</td>
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<tr>
<td>1:45 PM-2:15 PM</td>
<td>The Evolution of Midface Advancement Over 33 Years: A Personal Experience with the Three Techniques</td>
<td>Sacha I. Obaid, MD</td>
<td>New York University Medical Center</td>
<td>Pradip Shetye, DDS, Michael Sorkin, BS, Stephen M. Warren, MD, Barry H. Grayson, DDS, and Joseph G. McCarthy, MD</td>
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<tr>
<td>Discussion</td>
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<td>(6 min.)</td>
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<td>2:15 PM-2:35 PM</td>
<td>The early beaten copper pattern: its long-term impact on IQ scores in 95 children with craniosynostosis</td>
<td>Jacques van der Meulen, MD</td>
<td>Erasmus Medical Center</td>
<td>Joris Van der Vlugt, Jolanda Okkerse, and Bert Hofman</td>
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1151 (4 min.)
Implications of a Progressive Vertex Bulge Following Modified Strip Craniectomy for Sagittal Synostosis
Primary Author: Damian Marucci, FRACS
Affiliation: John Radcliffe Hospital
Co-Authors: Christine Johnston, MRCS, Philip Anslow, Jayaratnam Jayamohan, Peter G. Richards, Andrew Wilkie, FRCP, and Steven A. Wall, FRCS

1162 (4 min.)
Comparison of two skull remodelling techniques for correction of scaphocephaly in the last trimester of the first year of life
Primary Author: Léon N.A. van Adrichem, MD, PhD
Affiliation: Erasmus University Medical Center Rotterdam, Sophia Children’s Hospital
Co-Authors: Marcel Oei, Irene M.J. Mathijssen, MD, Jacques van der Meulen, MD, Marie-Lise C. van Veelen, T.H. Rob de Jong, and J. Michiel Vaandrager

1163 (4 min.)
Comparison of three skull remodelling techniques for correction of scaphocephaly in the second trimester of the first year of life
Primary Author: Léon N.A. van Adrichem, MD, PhD
Affiliation: Erasmus University Medical Center Rotterdam, Sophia Children’s Hospital
Co-Authors: Marcel Oei, Marie-Lise C. van Veelen, Jacques van der Meulen, MD, Irene M.J. Mathijssen, MD, and T.H. Rob de Jong

Discussion (3 min.)

2:35 PM-3:05 PM
Session 11B—Craniosynostosis
Session Chairmen: Claes G.K. Lauritzen, MD (Sweden) and Romulo Guerrero, MD (Ecuador)

1594 (4 min.)
Experience from moulding of non-synostotic head deformity
Primary Author: Prof. Dr. Hans-Peter Howaldt
Affiliation: Universitätsklinikum Gießen und Marburg GmbH
Co-Authors: Falco Wilbrand, Martina Weber, and Christoph Blecher

1239 (4 min.)
Severe posterior deformational plagiocephaly: Long term assessment of surgical correction with occipital 180° flip
Primary Author: Alexandre Marchac, MD
Affiliation: Hôpital Necker Enfants-Malades
Co-Authors: Eric Arnaud, MD, Federico Di Rocco, MD, Joseph Michienzi, and Dominique Renier, MD

1259 (4 min.)
Safety of Posterior Vault Reconstruction
Primary Author: Mirko Gilardino, MD
Affiliation: Children’s Hospital of Philadelphia
Co-Authors: Elliott Chen, MD, Davinder Singh, MD, Linton Whitaker, MD, and Scott Bartlett, MD
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<tr>
<th>Session</th>
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<tr>
<td>1460</td>
<td>4 min.</td>
<td>Dynamic Posterior Calvarial Augmentation in Syndromic Craniosynostosis; a new technique for a difficult problem. Early results in our first five cases</td>
<td>Martin Evans, FRCS</td>
<td>Craniofacial Unit, Birmingham Children's Hospital</td>
<td>Guirish Solanki, Hiroshi Nishikawa, and Stephen Dover</td>
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<tr>
<td>1242</td>
<td>4 min.</td>
<td>Spring-Assisted Skull Expansion without Osteotomies for Bilateral Posterior Cephalic Flatness in Infants</td>
<td>Eric Arnaud, MD</td>
<td>Hôpital Necker Enfants-Malades</td>
<td>Alexandre Marchac, MD, Daniel Marchac, MD, and Dominique Renier, MD</td>
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Discussion (4 min.)

3:05 PM-3:40 PM

*Session 11C—Craniosynostosis: Springs*
*Session Chairmen: Claes G.K. Lauritzen, MD (Sweden) and Romulo Guerrero, MD (Ecuador)*

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<th>Co-Authors</th>
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<tr>
<td>1343</td>
<td>4 min.</td>
<td>Skull expansion with springs as life saving treatment in a 2 week old with Mercedes-Benz craniosynostosis &amp; Chiari Malformation: a case report</td>
<td>José Guimaraes Ferreira, MD, PhD</td>
<td>Santa Maria Hospital</td>
<td>José Miguéns, MD, Claire Sanger, DO, and João Borges, MD</td>
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<tr>
<td>1182</td>
<td>4 min.</td>
<td>The use of implantable springs in the dynamic expansion to craniosynostosis treatment: 17 cases analysis</td>
<td>Rodrigo Dornelles, MD</td>
<td>Núcleo de Plástica Avançada, Hospital Beneficência Portuguesa de São Paulo</td>
<td>Vera Lucia Nocchi Cardim, PhD, Rolf Lucas Salomons, MD, Adriano de Lima e Silva, MD, and Alessandra Santos Silva, MD</td>
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<tr>
<td>1232</td>
<td>8 min.</td>
<td>Ten years experience with spring assisted craniofacial surgery in 175 patients</td>
<td>Claes Lauritzen, MD, PhD</td>
<td>Sahlgrenska University Hospital</td>
<td>Charles Davis, MD, FRCS, and Claire Sanger, DO</td>
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<td>1392</td>
<td>4 min.</td>
<td>Spring assisted cranioplasty for sagittal synostosis—Subjective neuropsychological outcome at 5 years</td>
<td>Per Windh, MD</td>
<td>Sahlgrenska University Hospital</td>
<td>Claire Sanger, DO, Peter Tarnow, MD, PhD, and Claes Lauritzen, MD, PhD</td>
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1174 (4 min.)  
The Economics of Implantable Distracters vs Traditional Cranial Remodeling Surgery: Is there a difference?  
Primary Author: Claire Sanger, DO  
Affiliation: Sahlgrenska University Hospital and Wake Forest University  
Co-Author: Claes Lauritzen, MD, PhD

1490 (4 min.)  
Spring Mediated Cranioplasty for Sagittal Synostosis Addresses Frontal Bossming  
Primary Author: Steven Glazier, MD  
Affiliation: Wake Forest University  
Co-Author: Alexander Powers, MD, and Lisa David, MD

1307 (4 min.)  
Analysis of a 6-Year Clinical Experience with Spring Mediated Distraction  
Primary Author: Lisa R. David, MD  
Affiliation: Wake Forest University  
Co-Authors: Claire Sanger, DO, James Thompson, MD, Steve Glazier, MD, and Louis Argenta, MD

1238 (4 min.)  
New Classification Scheme for Sagittal Craniosynostosis  
Primary Author: Jeremy Pyle, MD  
Co-Authors: Lisa David, MD, James Thompson, MD, Steve Glazier, MD, and Louis Argenta, MD

Discussion (8 min.)

3:40 PM-4:00 PM Break

4:00 PM-4:30 PM  
Session 11D—Craniosynostosis  
Session Chairmen: James P. Bradley, MD (US) and Juan Martin Chavanne, MD (Argentina)

1271 (4 min.)  
Sutura Mendosa—A Cause of Non-Synostotic Dolichocephaly  
Primary Author: Robert M. Menard, MD, FACS  
Affiliation: Stanford University  
Co-Author: Kenton Fong, MD

1571 (4 min.)  
Rigid bone fixation in calvarial remodeling—how much is necessary? “12 year experience with a ‘floating vertex’”  
Primary Author: Steven A. Wall, FRCS  
Affiliation: John Radcliffe Hospital  
Co-Authors: D. G. Morriss, J. Jayamohan, D. Johnson, and P. G. Richards
1300 (4 min.)
Follow-up of cranial remodeling by gradual distraction in Craniosynostosis
Primary Author: Keisuke Imai, MD
Affiliation: Osaka City General Hospital
Co-Authors: Kuniyuki Morimoto, MD, Hiroaki Sakamoto, MD, Akira Yamada, MD, Hiroshi Matsumoto, MD, and Heishiro Fujikawa, MD

1333 (4 min.)
Single Sutural Craniosynostoses: Surgical Outcomes and Long-term Growth
Primary Author: Jeffrey A. Fearon, MD
Affiliation: The Craniofacial Center
Co-Authors: Rachel Ruotolo, MD, and John Kolar, PhD

1442 (4 min.)
Elastic Traction of the Midface in Craniofacial Disostosis
Primary Author: Vera Lucia Nocchi Cardim, PhD
Affiliation: Núcleo de Plástica Avançada, Hospital Beneficência Portuguesa de São Paulo
Co-Authors: Rolf Lucas Salomons, MD, Adriano de Lima e Silva, MD, and Rodrigo Dornelles, MD

1464 (4 min.)
The intracranial compartment volume changes in sagittal craniosynostosis patients: the influence of comprehensive cranioplasty
Primary Author: Su-Shin Lee, MD
Affiliation: Kaohsiung Medical University Hospital, Kaohsiung, Taiwan
Co-Authors: Charles Duncan, MD, Bianca Knoll, MD, and John Persing, MD

Discussion (6 min.)
4:30 PM–4:55 PM
Session 11E—Craniosynostosis
Session Chairmen: James P. Bradley, MD (US) and Juan Martin Chavanne, MD (Argentina)

1243 (3 min.)
Scaphocephaly—Part I: Surgical Correction for Scaphocephaly with “H Cranietomy” Through Occipital Incision – A Technical Note about 535 Cases
Primary Author: Dominique Renier, MD
Affiliation: Hôpital Necker Enfants-Malades
Co-Authors: Eric Arnaud, MD, Bianca Knoll, MD, Mohamed Khan, MD, and Daniel Marchac, MD

1244 (3 min.)
Scaphocephaly—Part II: Indexes for Scaphocephalic Frontal and Occipital Morphology Evaluation: Long Term Results After “H Cranietomy”
Primary Author: Sue Antunez, MD
Affiliation: Hôpital Necker Enfants-Malades
Co-Authors: Eric Arnaud, MD, Antonio Augusto Velasco e Cruz, MD, PhD, Daniel Marchac, MD, and Dominique Renier, MD

1466 (3 min.)
Scaphocephaly—Part III: Secondary bilateral coronal synostosis occurring after scaphocephalic surgical correction
Primary Author: Eric Arnaud, MD
Affiliation: Hôpital Necker Enfants-Malades
Co-Author: Nathalie Capon-Degardin, J. Mischienzi, MD, and Dominique Renier, MD
1467 (6 min.)
Has The Fronto-Orbital Advance Passed Its Sell-By Date In The Management Of Syndromic Craniosynostosis?
Primary Author: Richard Hayward, FRCS
Affiliation: Great Ormond Street Hospital for Children
Co-Author: David J. Dunaway, FRCS

Discussion (5 min.)

4:55 PM-5:20 PM
Session 11F—Crani osynostosis
Session Chairmen: Eric Arnaud, MD (France) and Rolando Prada Madrid, MD (Colombia)

1552 (6 min.)
Long-term morphological outcome in operated Trigonocephaly
Primary Author: Mohammad A.S. Khan MD, FRCS(C)
Affiliation: Hôpital Necker Enfants-Malades
Co-Authors: Eric Arnaud, MD, Daniel Marchac, MD, Mohammad Al qattan, MD, FRCS, and Dominique Renier, MD

1558 (4 min.)
Trigonocephaly—1991 to 2007. A Retrospective Study of 42 Cases
Primary Author: Gilvani Azor de Oliveira e Cruz, MD
Co-Authors: Paulo Carboni, MD, Renato Freitas, MD, Maria Cecilia Ono, MD, and Vinicius Guedes, MD

1115 (4 min.)
Bitemporal Depressions following Cranioplasty for Trigonocephaly: A Long-Term Evaluation of (Supra) Orbital Growth in 92 patients
Primary Author: Jacques van der Meulen, MD
Affiliation: Erasmus University Medical Center Rotterdam, Sophia Children's Hospital
Co-Authors: Patricia Nazir, Irene M.J. Mathijssen, MD, Léon van Adrichem, MD, PhD, Edwin Ongkosuwito, Sophie Stolk-Liefferink, and Michiel Vaandrager

1256 (4 min.)
Changing Epidemiological Spectrum of the Single-Suture Craniosynostosis
Primary Author: Scott Bartlett, MD
Affiliation: Children's Hospital of Philadelphia
Co-Authors: Jesse Selber, Russell Reid, MD, Leslie Sutton, Chuma Chike-Obi, Linton Whitaker, MD, and Davinder Singh, MD

1559 (4 min.)
The increased prevalence of metopic synostosis; a Pan-European observation
Primary Author: Jacques van der Meulen, MD
Affiliation: Erasmus University Medical Center Rotterdam, Sophia Children's Hospital
Co-Authors: Rene van der Hulst, Léon van Adrichem, MD, PhD, Eric Arnaud, MD, David Chir-Shong, Christian Duncan, Edith Habets, Jose Hinojosa Mena-Bernal, Irene M.J. Mathijssen, MD, Paul May, Daniel Morrill, Hiroshi Nishikawa, Peter Noons, David Richardson, Joris van der Vlugt, Steven A. Wall, FRCS, and Dominique Renier, MD
### Saturday, August 25, 2007
Scientific Sessions—Gregorio de Matos Room

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<th>Session</th>
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| 1334 (4 min.)| **Speech and Language Problems in Children with Metopic Craniosynostosis**  
Primary Author: Emma West  
Affiliation: Craniofacial Team, Birmingham Children's Hospital  
Co-Authors: Steve Dover, Hiroshi Nishikawa, and Guirish Solanki |
|              | **Discussion (6 min.)**                                                  |
| 5:20 PM-6:00 PM| **Experience in Human Facial Transplantation**  
Christophe Moure, MD—First Human Facial Transplantation: 20 Month Results  
Laurent Lantieri, MD—Facial Transplantation for Plexiform Neurofibroma |
| 6:00 PM      | **Congress Closing**                                                     |

Note: Scientific Program details are subject to change.
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