



ISCFS 2025

27-30 OCTOBER

Shanghai, China | www.iscfs.org

ISCFS PRESIDENT: DR. XIONGZHENG MU

**BRIDGING FRONTIERS:
INNOVATION AND INTEGRATION
IN CRANIOFACIAL SURGERY**

PRELIMINARY PROGRAM

as of Aug 21, 2026

INTERNATIONAL SOCIETY OF CRANIOFACIAL SURGERY
OCTOBER 27-30, 2025 | SHANGHAI, CHINA

		Tuesday, October 28	
		Jing-An Grand Ballroom I	Jing-An Grand Ballroom II
07:30	am		
07:45	am		
08:00	am		
08:15	am	Opening Ceremony & President Speech	
08:30	am		
08:45	am	Keynote Presentation	
09:00	am		
09:15	am	Xiongzheng Mu introducing the “Tessier Medal” recipient	
09:30	am	Tessier Lecture	
09:45	am	Marchac Award 2025 Recipient	
10:00	am	Fernando Ortiz Monasterio Lecture	
10:15	am		
10:30	am	Coffee Break	
10:45	am		
11:00	am	Invited Lectures	
11:15	am		
11:30	am		
11:45	am		
12:00	pm	Lunch Break	
12:15	pm		
12:30	pm		
12:45	pm		
13:00	pm	Free Paper Session 1A - Non-Syndromic Craniosynostosis	Free Paper Session 2 - Distraction Osteogenesis of The Craniofacial Skeleton
13:30	pm		
14:00	pm		
14:30	pm		
15:00	pm		
15:30	pm	Coffee Break	
15:45	pm		
16:00	pm	Free Paper Session 1B - Non-Syndromic Craniosynostosis	Free Paper Session 3 - Craniofacial Clefts or Encephaloceles & Neurosurgical Considerations in Craniofacial Surgery
16:15	pm		
16:30	pm		
16:45	pm		
17:00	pm		
17:15	pm		
17:30	pm		
17:45	pm		
18:00	pm	Welcome Reception in Exhibit Hall	
18:15	pm		
18:30	pm		
18:45	pm		
19:00	pm		
Thursday, October 30			
		Jing-An Grand Ballroom I	Jing-An Grand Ballroom II
07:30	am		
07:45	am		
08:00	am		
08:15	am		
08:30	am	Free Paper Session 10A - Cranio-Maxillofacial Trauma	Free Paper Session 11 - Artificial Intelligence, Augmented Reality, Virtual Reality
08:45	am		
09:00	am		
09:15	am		
09:30	am		
09:45	am		
10:00	am	Coffee Break	
10:15	am		
10:30	am	Free Paper Session 10B - Cranio-Maxillofacial Trauma	Free Paper Session 13 - Cleft Lip and Palate - Complicated or Secondary Problems
10:45	am		
11:00	am		
11:15	am		
11:30	am		
11:45	am		
12:00	pm	Lunch Break	Satellite Symposium
12:15	pm		
12:30	pm		
12:45	pm		
13:00	pm	Free Paper Session 12 - Virtual Surgical Planning and Surgical Simulation & Simulation Surgical Education	Free Paper Session 16 - Tumors and Microsurgery in Craniofacial Surgery
13:30	pm		
14:00	pm		
14:30	pm		
15:00	pm	Coffee Break	
15:30	pm	Free Paper Session 15 - Craniofacial Team Coordination and Care Pathways	Free Paper Session 14 - umors and Vascular Anomalies
15:45	pm		
16:00	pm	Free Paper Session 17 - Breathing Difficulties and Airway Management	
16:15	pm		
16:30	pm		
16:45	pm		
17:00	pm	Congress Adjourns	

Wednesday, October 29		
	Jing-An Grand Ballroom I	Jing-An Grand Ballroom II
07:30 am		
07:45 am		
08:00 am	ISCFS Business Meeting	
08:15 am		
08:30 am		
08:45 am	Free Paper Session 4A - Syndromic Craniosynostosis	Free Paper Session 5A - Craniofacial Microsomia including Microtia
09:00 am		
09:15 am		
09:30 am		
09:45 am		
10:00 am	Coffee Break	
10:15 am		
10:30 am	Free Paper Session 4B - Syndromic Craniosynostosis	Free Paper Session 5B - Craniofacial Microsomia including Microtia
10:45 am		
11:00 am		Free Paper Session 6 - Facial Dysostosis
11:15 am		
11:30 am		
11:45 am		
12:00 pm	Lunch Break	Satellite Symposium
12:15 pm		
12:30 pm		
12:45 pm		
13:00 pm	Free Paper Session 7 - Craniofacial Feminization Surgery and Facial Contouring Surgery	Free Paper Session 9A - Maxillofacial and Orthodontic Aspects of Craniofacial Surgery
13:30 pm		
14:00 pm		
14:30 pm		
15:00 pm		
15:30 pm	Coffee Break	
15:45 pm		
16:00 pm		Free Paper Session 9B - Maxillofacial and Orthodontic Aspects of Craniofacial Surgery
16:15 pm	Free Paper Session 8 - Craniofacial Basic Science	Free Paper Session 1C - Non-Syndromic Craniosynostosis
16:30 pm		
16:45 pm		
17:00 pm		
17:15 pm		
17:30 pm		
17:45 pm		
18:00 pm		
18:15 pm		
18:30 pm		
18:45 pm	Gala-Dinner	
19:00 pm	Transfer of Presidency	
19:15 pm	Announcement of 22nd ISCFS Congress	
19:30 pm	Gala-Dinner	
19:45 pm		

Tuesday, October 28, 2026

Room: Jing-An Grand Ballroom III
Poster Session

Room: Jing-An Grand Ballroom I

8:00 – 10:15 AM

OPENING CEREMONY

- 8:15 AM Opening Ceremony & President's Welcome
- 8:45 AM Keynote Presentation: The Australian Contribution to the Remarkable Odyssey in Chinese
Craniofacial Surgery over 40 Years: From Chang to Mu.
David David (Australia)
- 9:00 AM Keynote Presentation: The Evolution of Chinese Pictographic Culture
Bing Ziyi (China)
- 9:15 AM Introduction "Tessier Medal"
Xiongzheng Mu (China)
- 9:30 AM Tessier Lecture
- 9:45 AM Marchac Award 2025
Richard Hopper (United States)
- 10:00 AM Fernando Ortiz Monasterio Lecture

Room: Exhibition

10:15 – 10:45

Coffee Break in Exhibition

Room: Jing-An Grand Ballroom I

10:45 – 11:45 AM

INVITED LECTURES

- 10:45 AM Guangzhong Yang (China)
- 11:00 AM Yilai Shu (China)
- 11:15 AM Craniofacial Asymmetry Related to Vascular Anomalies: Insights from Characteristics,
Surgical Management, and Outcomes
Xiaoxi Lin (China)
- 11:30 AM Yixin Zhang (China)

Room: Exhibition

11:45 AM – 1:00 PM

Lunch Break in Exhibition

Room: Jing-An Grand Ballroom I

1:00 – 3:30 PM

FREE PAPER SESSION 1A - NON-SYNDROMIC CRANIOSYNOSTOSIS

1:00 PM

174 Neurodevelopmental Outcomes Among Children with Non-Syndromic Craniosynostosis: A Propensity Score-Matched Analysis

Presenter: John Han (United States)

Author(s): John Ha, Claire Semerjian, Krystal Tomei, Howard Wang

Institution(s): Case Western / University Hospitals Rainbow Babies and Children's Hospital, Cleveland, OH, United States

1:04 PM

772 Evaluating Long-Term Outcomes of Fronto-Orbital Advancement in Metopic Synostosis: Insights from 3D Photogrammetry

Presenter: Melissa Kurniawen (Netherlands)

Author(s): Melissa Kurniawan, Pauline Tio, Irene Mathijssen, Marie-Lise van Veelen, Mieke Pleumeekers, Tareq Abdel Alim

Institution(s): ErasmusMC, Rotterdam, Netherlands

1:08 PM

336 Neurocognitive and Behavioral Outcomes in Metopic Synostosis: Relation to Severity and Surgical Timing

Presenter: Pauline Tio (Netherlands)

Author(s): Pauline Tio, Merel van Staalduinen, Karolijn Dulfer, Marie-Lise van Veelen, Mieke Pleumeekers, Irene Mathijssen, Jolanda Okkerse

Institution(s): Erasmus MC, Rotterdam, Netherlands

1:12 PM

58 Dynamic Osteodistraction with Springs – the Gothenburg Experience of Spring-Assisted Cranioplasty

Presenter: Peter Tarnow (Sweden)

Author(s): Peter Tarnow, Giovanni Maltese, Madiha Bhatti-S-Søfteland, Karin Säljö, Björn Holmström, Robert Olsson, Tobias Hallén, Lars Kölby

Institution(s): Deptment of Plastic Surgery, Institute of Clinical Sciences, Sahlgrenska Academy, Univesity of Gothenburg, Gothenburg, Sweden

1:16 PM

708 Evaluating Long Term Neurocognitive Outcomes of Surgical Intervention for Sagittal Synostosis: Cranial Vault Remodeling vs Spring Assisted Surgery

Presenter: Kara Fisher (United States)

Author(s): Kara Fisher, Eric Zeng, Mario Blondin, Daniel Couture, Lisa David, Christopher Runyan, Leah Chapman

Institution(s): Wake Forest University, Winston-Salem, NC, United States

1:20 PM

42 Impact of Age at Surgery or Surgical and Anesthesia Duration on Early Development in Single Suture Craniosynostosis

Presenter: Mark Urata (United States)

Author(s): Mark Urata, Christopher Tien, J. Gordon McComb, Alexis Johns

Institution(s): Children's Hospital Los Angeles, Los Angeles, CA, United States; Keck School of Medicine of USC, Los Angeles, CA, United States

1:24 PM

309 Outcomes in Endoscopic Strip Craniectomy Before Three Months of Age for Nonsyndromic Craniosynostosis

Presenter: Aura Sofia Eguizabal Flores (United States)

Author(s): Aura Sofia Eguizabal Flores, Robin T. Wu, Olubunmi A. Fariyike, Payton Grande, María Valentina Suarez-Nieto, Shannon Beres, Laura M. Prolo, Kelly B. Mahaney, Rohit Khosla, H. Peter Lorenz

Institution(s): Stanford University, Palo Alto, CA, United States

1:28 PM

374 Rigorous Study of Cranial Suture Closure Timing in the Era of High Resolution CT Imaging: A Radiographic Analysis of 1119 Pediatric Head CT Scans

Presenter: Kaamya Varagur (United States)

Author(s): Nicholas Han, Mark Halverson, Ashley Chang, Kaamya Varagur, Philip Tolley, Sara Reis Teixeira, Karuna Shekdar, Jordan Swanson, Scott Bartlett, Erin Schwartz, Jesse Taylor

Institution(s): Children's Hospital of Philadelphia, Philadelphia, PA, United States

1:32 PM

410 Ptosis and Craniosynostosis: Assessing Risk Factors in 1549 Patients with Craniosynostosis

Presenter: William Katowitz (United States)

Author(s): Nicholas Han, Philip Tolley, Aaron Zhao, Dillan Villavisanis, Allison Hu, Isabel Ryan, Daniel Cho, Jordan Swanson, Scott Bartlett, William Katowitz, Jesse Taylor

Institution(s): Children's Hospital of Philadelphia, Philadelphia, PA, United States

1:36 PM

599 Longitudinal Outcomes on Signs of Increased Intracranial Pressure in Metopic Synostosis: Surgical versus Conservative Treatment

Presenter: Lauren Clement (Netherlands)

Author(s): Lauren Clement, Pauline Tio, Evi Koehoorn, Dimitris Rizopoulos, Sjoukje Loudon, Marie-Lise van Veelen, Jochem Spoor, Sarah Versnel, Mieke Pleumeekers, Irene Mathijssen

Institution(s): Erasmus MC, Rotterdam, Netherlands

1:40 PM

832 Synostosis of Uninvolved Sutures Following Endoscopic Suturectomy in Nonsyndromic Single-Suture Craniosynostosis

Presenter: Laura Monson (United States)

Author(s): Vamsi Mohan, Brian Harrell, Howard Weiner, David Bauer, Laura Monson

Institution(s): Division of Plastic Surgery, Michael E. DeBakey Department of Surgery, Baylor College of Medicine, Houston, Texas, United States; Division of Plastic Surgery, Department of Surgery, Texas Children's Hospital, Houston, Texas, United States

1:44 PM

173 Unoperated Children with Trigonocephaly: The Liverpool Experience

Presenter: Aitor de Gea Rico (United Kingdom)

Author(s): Aitor de Gea Rico, Chris Parks, Vejay Vakharia, Christian Duncan, Sofie Dietvorst, Martin Van Carlen, Anusha Henedige

Institution(s): Alder Hey Children's Hospital, Liverpool, United Kingdom

1:48 PM

28 Prevalence of Incidental Normocephalic Craniosynostosis: Findings from a Large Cohort Study

Presenter: Kuljira Matwattanakit (Thailand)

Author(s): Kuljira Matwatthanakit, Sarut Chaisrisawadisuk, Chanon Ngamsombat, Nattanit Pongjantaradej, Sirilug Charernsook

Institution(s): Mahidol University Faculty of Medicine, Siriraj Hospital, Bangkok, Thailand

1:52 PM

703 Predictors of Postoperative Complications Following Craniosynostosis Surgery: Evidence from 8,108 Operations

Presenter: Samira Glaeser-Khan (United States)

Author(s): Yizhuo Shen, Samira Glaeser-Khan, Omar Allam, Paula Flores Perez, Jake Moscarelli, Andrew Salib, Victoria Kong, Melanie Vassallo, David Colen, Michael Alperovich

Institution(s): Yale School of Medicine, New Haven, CT, United States

1:56 PM

746 Demographic and Clinical Variables Remain Poor Predictors of the Need for Postoperative Transfusion among Patients Undergoing Surgical Repair of Nonsyndromic Craniosynostosis

Presenter: Bunmi Fariyike (United States)

Author(s): Olubunmi A. Fariyike, Payton Grande, María Valentina Suarez-Nieto, Aura S. Eguizabal, Robin T. Wu, Rohit Khosla, H. Peter Lorenz

Institution(s): School of Medicine, Stanford University, Stanford, CA, United States

2:00 PM

Discussion

2:10 PM

712 A Rare Case Report : Unilateral Squamous Synostosis with an Interparietal Bone

Presenter: Suryaning Rasyidah (Indonesia)

Author(s): Suryaning Rasyidah, Indri Lakhsmi Putri, Alexandria Stephanie Suparman

Institution(s): Airlangga University, Surabaya, Jawa Timur, Indonesia

2:14 PM

339 Improved Refraction Following Cranial Vault Remodeling for Craniosynostosis

Presenter: Hanna Pfershy (United States)

Author(s): Hanna Pfershy, Beatrice Lucchesi, Sam Girian, Reece Moore, John Giroto, Brooke Geddie, Anna Carlson

Institution(s): Michigan State University/ Corewell Health Plastic Surgery Residency, Grand Rapids, MI, United States

2:18 PM

395 Factors Influencing Blood Loss in Fronto-Orbital Advancement and Remodeling: A Retrospective Review of 231 Cases

Presenter: Rabia Somuncu (Turkey)

Author(s): Rabia Yudum Somuncu, Güven Ozan Kaplan, Ahmet İlkay Işııkay, Özgür Canbay, Mert Çalış, Gökhan Tunçbilek

Institution(s): Hacettepe University Faculty of Medicine Department of Plastic Reconstructive and Aesthetic Surgery, Ankara, Turkey

2:22 PM

652 The Incidence of Subsequent High Intracranial Pressure in Patients Undergoing Early, Open, and Wide Strip Craniectomy for Sagittal Synostosis

Presenter: David Leshem (Israel)

Author(s): David Leshem, Shlomi Constantini, Jonathan Roth, Sapir Sadon, May Bami Bami, Anat Bachar Zipori, Margaret Ekstein

Institution(s): Department of Plastic and Reconstructive Surgery, Tel-Aviv Sourasky Medical Center, Tel-Aviv University, Tel-Aviv, Israel, Tel Aviv, Israel

2:26 PM

227 Computer-Assisted Craniosynostosis Diagnosis on 3D Head Scan

Presenter: Aurora Magnani (Italy)

Author(s): Aurora Magnani, Michaela Servi, Yary Volpe, Federico Mussa

Institution(s): University of Florence, Department of Industrial Engineering, Florence, Italy

2:30 PM

615 Presence of Emissary Veins in the Glabellar Region in Metopic Craniosynostosis

Presenter: Karin Säljö (Sweden)

Author(s): Anna Sundelin, Erik Ceder, Madiha Madiha Bhatti-Søfteland, Giovanni Maltese, Peter Tarnow, Lars Kölby, Karin Säljö

Institution(s): Department of Plastic Surgery, Institute of Clinical Sciences, Sahlgrenska Academy, University of Gothenburg, Gothenburg, Sweden; Department of Plastic Surgery, Sahlgrenska University Hospital, Region Västra Götaland, Gothenburg, Sweden

2:34 PM

122 Incidence of Ocular Abnormalities in Metopic Craniosynostosis: Cranial Vault Reconstruction versus Endoscopic Suturectomy

Presenter: Howard Wang (United States)

Author(s): John Ha, Krystal Tomei, Faruk Orge, Howard Wang

Institution(s): University Hospitals Rainbow Babies and Children's Hospital, Cleveland, OH, United States; Case Western Reserve University School of Medicine, Cleveland, OH, United States

2:38 PM

251 A Multi-Institutional Analysis of Frontal Sinus Volume in Normocephalic Sagittal Craniosynostosis

Presenter: Michael Lebhar (United States)

Author(s): Alexander Velazquez, Michael Lebhar, Todd Nichols, Laura Humphries, Ian Hoppe

Institution(s): University of Mississippi Medical Center, Jackson, MS, United States

2:42 PM

364 Data-Driven Surgical Decision-Making in Patients with Metopic Craniosynostosis

Presenter: Skyler Palmer (United States)

Author(s): Skyler Palmer, Connor Elkhill, Ines Cruz-Guerrero, Diego Gomez, David Khechoyan, Phuong Nguyen, Brooke French, Antonio Porras

Institution(s): University of Colorado School of Medicine, Aurora, Co, United States; Children's Hospital of Colorado, Aurora, CO, United States

2:46 PM

Discussion

2:56 PM

666 Impact of One-Piece Fronto-Orbital Distraction Osteogenesis on Orbital Morphology and Strabismus Development in Unilateral Craniosynostosis

Presenter: Ching-En Chen (Taiwan (China))

Author(s): Ching-En Chen, Hojin Park, Jong-Woo Choi, Young-Shin Ra

Institution(s): Division of Plastic and Reconstructive Surgery, Taipei Veterans General Hospital, Taipei, Taiwan (China)

3:00 PM

761 Postoperative Strabismus Rates in Unicoronal Synostosis: Distraction versus Remodeling

Presenter: Jonas Mellgren (Sweden)

Author(s): Jonas Mellgren, Stina Andersson, Peter Tarnow, Giovanni Maltese, Madiha Bhatti-Søfteland, Karin Säljö, Lars Kölby

Institution(s): Department of Plastic Surgery, Sahlgrenska University Hospital, The Sahlgrenska Academy, Institute of Clinical Sciences, University of Gothenburg, Gothenburg, Sweden

3:04 PM

762 Examining Sociodemographic Disparities in Diagnostic Delays and Surgical Management of Non-syndromic Craniosynostosis: A 10-Year Review

Presenter: Melanie Bakovic (United States)

Author(s): Melanie Bakovic, Liara S. Ortiz-Ocasio, Sofia Finestone, Jennifer Goldman, Kennedy Sun, Brandon Boyarsky, Liliana Starsiak, Md Sohel Rana, Esperanza Mantilla-Rivas, Veronica Zhang, Patrick O'Brien, Saige Teti, Eduardo Torres-Rodríguez, Muhammad Ali, Robert Keating, Albert Oh, Gary Rogers

Institution(s): Division of Plastic and Reconstructive Surgery, Children's National Hospital, Washington, DC, United States

3:08 PM

98 Quantifying Cranial and Facial Shape Changes in Single-Suture Craniosynostosis: A Preliminary Study of Endoscopic Assisted Craniosynostosis Surgery and Orthotic Therapy Using 3D Morphable Models

Presenter: Benito K Benitez (Switzerland)

Author(s): Benito K Benitez, Julia M Kunz, Yoriko Lill, Danielle Kundert, Till Schnabel, Barbara Solenthaler, Jehuda Soleman, Maria Licci, Raphael Guzman, Andreas A Mueller

Institution(s): Oral and Craniomaxillofacial Surgery and Pediatric Oral and Craniomaxillofacial Surgery, University Hospital Basel and University Childrens Hospital Basel, Basel, Switzerland; Facial and Cranial Anomalies Research Group, DKF and DBE, University of Basel, Basel, Switzerland

3:12 PM

157 Evaluation of the Prevalence and Risk Factors Influencing the Use of a Second Cranial Orthosis in the Treatment of Deformational Plagiocephaly Brachycephaly (DPB)

Presenter: Melody Gordon (United States)

Author(s): Jeffrey Kasperek, Melody Gordon, Jill Findley, Anna Trebilcock, J.Suzanne Cherry, Deborah James, Stephen Beals, Timothy Littlefield

Institution(s): Cranial Technologies, Inc., Tempe, AZ, United States

3:16 PM

Discussion

Room: Jing-An Grand Ballroom II

1:00 – 3:30 PM

FREE PAPER SESSION 2 - DISTRACTION OSTEOGENESIS OF THE CRANIOFACIAL SKELETON

1:00 PM

151 15 Year Results of Fronto-Orbital Advancement and Remodeling Using Distraction Osteogenesis

Presenter: Gökhan Tunçbilek (Turkey)

Author(s): Gökhan Tunçbilek, Güven Ozan Kaplan, Mert Çalış, Kutluhan Yusuf Küçük, Halil İbrahim Altunbulak, Elif Günay Bulut

Institution(s): Hacettepe University, Ankara, Turkey

1:04 PM

306 An Evaluation of Complications when Using Internal Distraction Devices in Cranial Vault Surgery. The Oxford Experience

Presenter: David Johnson (United Kingdom)

Author(s): David Johnson, Greg Thomas, Rosie Ching, Steven Wall, Tim Lawrence, Shailendra Magdum, jayaratnam JayaMohan

Institution(s): Oxford Craniofacial Unit, Oxford, United Kingdom

1:08 PM

500 Custom-Made vs. Conventional External Halo Systems in Monobloc Osteogenic Distraction in Patients with Syndromic Craniosynostosis

Presenter: Víctor Zafra Vallejo (Spain)

Author(s): Víctor Zafra Vallejo, Marta Redondo Alamillos, Ana Romance García, Francisco Merino Domingo, Ignacio Ismael Garcia Recuero, Beatriz Pascual Martin, Pablo Martin Munarriz, Irene Panero, Gregorio Sánchez Aniceto

Institution(s): University Hospital 12 de Octubre, Madrid, Spain

1:12 PM

748 Beyond Osteotomies: Transforming Midfacial Advancement with Enhanced Sutural Protraction

Presenter: Fabio Mazzoleni (Italy)

Author(s): Fabio Mazzoleni, Mattia Moretti, Federica Corradi, Luca Autelitano, Valeria Marinella Augusta Battista, Gabriele Canzi, Giorgio Novelli, Maria Costanza Meazzini

Institution(s): Pediatric Craniofacial Malformations Unit, Smile House Monza - Craniofacial Center, Fondazione IRCCS San Gerardo dei Tintori, Monza, Italy

1:16 PM

318 Impact of Unilateral and Bilateral Distraction Osteogenesis on Long-Term Masseter Morphology in HFM Patients

Presenter: Liu Jiayu (China)

Author(s): Liu Jiayu, Chen Yiyang

Institution(s): Department of Oral and Maxillofacial Surgery, Guangzhou Women and Children's Medical Center, Guangzhou, Guangdong, China

1:20 PM

363 Long-Term Stability after Le Fort III Distraction Osteogenesis in Patients with Syndromic Craniosynostosis: A Cephalometric Analysis

Presenter: Hyun-DukNah Ryan (United States)

Author(s): Isabel Ryan, Peyton MacCarone, Philip Tolley, Min Shin, Hyeran Jeon, Allison Hu, Jordan Swanson, Jesse Taylor, Scott Bartlett, Hyun-Duck Nah

Institution(s): Children's Hospital of Philadelphia, Philadelphia, PA, United States

1:24 PM

616 Three-Dimensional Modeling Reveals Multidimensional Anatomical and Functional Improvements of Sutural Distraction Osteogenesis in Midfacial Hypoplasia: Nasal Septal Correction, Palatal Remodeling, and Oropharyngeal Airway Expansion

Presenter: Baicheng Wang (China)

Author(s): Baicheng Wang, Chen Zhang, Peiyang Zhang, Hongsen Bi, Zhenmin Zhao

Institution(s): Peking University Third Hospital, Beijing, Beijing, China

1:28 PM

149 Mechanical Force-Induced Oncostatin M Secretion by Jun-Positive Neutrophils Promotes Craniofacial Bone Regeneration for Midface Hypoplasia Treatment

Presenter: Zhixuan Sun (China)

Author(s): Zhixuan Sun, Yujie Chen, Pengbing Ding, Zheng Wang, Zhiyu Lin, Binyi Zhou, Fengyi Hu, Enhang Lu, Haibo Xiang, Xin Yang, Peiyang Zhang, Hongsen Bi, Zhenmin Zhao

Institution(s): Department of Plastic Surgery, Peking University Third Hospital, Beijing, China

1:32 PM

709 Soft Tissue Symmetry and Skeletal Remodeling Following Mandibular Distraction Osteogenesis in Hemifacial Microsomia: A 13-Year Retrospective Study

Presenter: Jiang Weidong (China)

Author(s): Weidong Jiang, Hongpu Wei, Hao Sun, Xudong Wang

Institution(s): Department of Oral and Cranio-Maxillofacial Surgery, Shanghai Ninth People's Hospital, College of Stomatology, Shanghai Jiao Tong University School of Medicine, Shanghai, China, Shanghai, China; National Clinical Research Center for Oral Diseases, Shanghai

1:36 PM

314 SOX18-Mediated Endothelial-Mesenchymal Transition in CDH5⁺ Cells during Mandibular Distraction Osteogenesis

Presenter: Peiqi Zhu (China)

Author(s): Peiqi Zhu, Weidong Jiang, Haojie Fu, Yisheng Feng, Xudong Wang

Institution(s): Department of Oral and Cranio-Maxillofacial Surgery, Shanghai Ninth People's Hospital, College of Stomatology, Shanghai Jiao Tong University School of Medicine, Shanghai, China; National Clinical Research Center for Oral Diseases, Shanghai, China

1:40 PM

328 Augmented Reality and Optical Tracking in an Auto-Registered Holographic Navigation System for Mandibular Distraction Osteogenesis

Presenter: Shi-xi He (China)

Author(s): Shi-xi He, Cheng Ma, Xuan-ping Huang

Institution(s): College & Hospital of Stomatology, Guangxi Medical University, Nanning, Guangxi, China

1:44 PM

350 A Comparison of Resorbable and Titanium Fixation for Posterior Vault Distraction Osteogenesis

Presenter: Isabel Ryan (United States)

Author(s): Isabel Ryan, Dillan Villavisanis, Philip Tolley, Nicholas Han, Allison Hu, Jordan Swanson, Scott Bartlett, Jesse Taylor

Institution(s): Children's Hospital of Philadelphia, Philadelphia, PA, United States

1:48 PM

125 Hemi One-Piece Distraction Osteogenesis for Unilateral Coronal Craniosynostosis

Presenter: Ho Hyung Lee (Korea)

Author(s): Ho Hyung Lee, Jong Woo Choi

Institution(s): Asan Medical Center, Seoul, Seoul, Korea, Republic of Korea

1:52 PM

202 Novel Protocol for Severe type of Adult Hemifacial Microsomia: Computer-Guided Le Fort I Repositioning with 3D Internal Mandibular Distraction Osteogenesis

Presenter: Yorikatsu Watanabe (Japan)

Author(s): Yorikatsu Watanabe, Ryo Sasaki, Shouichi Imai, Ryo Nagahama, Isao Matsuno

Institution(s): Tokyo metropolitan police hospital, Plastic, Reconstructive and Aesthetic surgery, Tokyo, Japan

1:56 PM

294 Discussion on the Design of Contralateral Stress Interruption in Distraction Osteogenesis for Hemifacial Microsomia

Presenter: Yiyang Chen (China)

Author(s): Yiyang Chen, Jiayu Liu, Hongbo Zhang

Institution(s): Department of Oral and Maxillofacial Surgery, Guangzhou Women and Children's Medical Center, Guangzhou Medical University, Guangzhou, Guangdong, China

2:00 PM

Discussion

2:10 PM

317 Extracellular Vesicles Mediate Skeletal Muscle–Bone Crosstalk During Craniofacial Distraction Osteogenesis

Presenter: Haojie Fu (China)

Author(s): Haojie Fu, Weidong Jiang, Xudong Wang

Institution(s): Department of Oral and Cranio-Maxillofacial Surgery, Shanghai Ninth People's Hospital, College of Stomatology, Shanghai Jiao Tong University School of Medicine, Shanghai, China; National Clinical Research Center for Oral Diseases, Shanghai, China

2:14 PM

340 TDN@Ast IV-Apt Promotes Osteogenesis of JBMSCs During Distraction Osteogenesis by Enhancing m⁶A Methylation-Mediated Mitochondrial Transfer from EPCs

Presenter: Yisheng Feng (China)

Author(s): Yisheng Feng, Weidong Jiang, Xudong Wang

Institution(s): Department of Oral and Cranio-Maxillofacial Surgery, Shanghai Ninth People's Hospital, College of Stomatology, Shanghai Jiao Tong University School of Medicine, Shanghai, China; National Clinical Research Center for Oral Diseases, Shanghai, China

2:18 PM

347 Occlusal Plane Stability After Curvilinear Mandibular Distraction Osteogenesis

Presenter: Ashley Chang (United States)

Author(s): Isabel Ryan, Ashley Chang, Philip Tolley, Alexander Wilson, Nicholas Han, Allison Hu, Scott Bartlett, Jordan Swanson, Hyun-Duck Nah, Jesse Taylor

Institution(s): Children's Hospital of Philadelphia, Philadelphia, PA, United States

2:22 PM

392 Threshold Timing for Mandibular Distraction in Robin Sequence: A Continuum of Airway, Feeding, and Speech Outcomes

Presenter: Jeffrey Hammoude (United States)

Author(s): Valeria Mejia, Asli Pekcan, Melanie Bakovic, Raina Patel, Marvee Turk, Anika Kim, Pasha Shakoori, Mark Urata, Jeffrey Hammoudeh

Institution(s): University of Southern California, Los Angeles, CA, United States; Children's Hospital Los Angeles, Los Angeles, CA, United States

2:26 PM

742 Airway, Growth, and Function: A Longitudinal Study of Early Mandibular Distraction Osteogenesis in Pierre Robin Sequence

Presenter: Mattia Moretti (Italy)

Author(s): Mattia Moretti, Fabio Mazzoleni, Alejandro Juan Piza Moragues, Giorgio Novelli, Maria Costanza Meazzini

Institution(s): Pediatric Craniofacial Malformations Unit, Smile House Monza - Craniofacial Center, Fondazione IRCCS San Gerardo dei Tintori, Monza, Italy

2:30 PM

743 Functional Airway and Feeding Outcomes Following Mandibular Distraction Osteogenesis in Pediatric Pierre Robin Sequence Patients

Presenter: Sofia Finestone (United States)

Author(s): Sofia Finestone, Hengameh Behzadpour, Liara S. Ortiz-Ocasio, Brandon Boyarsky, Caroline Cox, Md Sohel Rana, James Leonard, Albert Oh, Brian Reilly

Institution(s): Division of Otolaryngology, Children's National Hospital, Washington, DC, United States

2:34 PM

166 Comorbidities In Focus: Unpacking Their Influence On Mandibular Distraction Osteogenesis Outcomes In Patients With Robin Sequence

Presenter: Marvee Turk (United States)

Author(s): Melanie Bakovic, Asli Pekcan, Raina Patel, Valeria Mejia, Marvee Turk, Erin Wolfe, Alyssa Valenti, Caroline Kreh, Mark Urata, Jeffrey Hammoudeh

Institution(s): Children's Hospital Los Angeles, Los Angeles, California, United States; George Washington University School of Medicine and Health Sciences, Washington, DC, United States

2:38 PM

442 Nanostructured Magnesium Alloys for Distraction Osteogenesis in a Methicillin-resistant Staphylococcus Aureus (MRSA)-Infected Minipig Model

Presenter: Justin Cordero (United States)

Author(s): Justin Cordero, Caleb Ting, Leonardo Alaniz, Earl Steward, Dongwei Sun, Yiqing Chen, Patricia Holt-Torres, Huinan Liu, Raj Vyas

Institution(s): UC Riverside School of Medicine School of Medicine, Riverside, CA, United States

2:42 PM

Discussion

2:52 PM

793 Transient Panfacial Nerve Palsy After Mandibular Distraction Hardware Removal

Presenter: Aidan O'Shea (United States)

Author(s): Aidan O'Shea, Catharine Garland, Daniel Cho

Institution(s): University of Wisconsin School of Medicine and Public Health, Madison, WI, United States

2:56 PM

820 Long Term Nerve Function Outcomes of Transverse-Curved Ramus Osteotomy in Mandibular Distraction Osteogenesis: A Retrospective Case Series

Presenter: Emily Yanoshak (United States)

Author(s): Emily Yanoshak, Gabriella Squeo, Daniel Alejandro Mendoza Isaula, Eileen Wen, Hibo Wehelie, Jennifer Goldman, Jonathan Black

Institution(s): University of Virginia, Charlottesville, Virginia, United States

3:00 PM

229 Risk Factors for Prolonged Ventilator Dependence Following Bilateral Mandibular Distraction Osteogenesis in Pierre Robin Sequence: A Single-Institution Study of 121 Patients

Presenter: Lijun Shi (China)

Author(s): Lijun Shi, Tao Han, Yi Ji, Weimin Shen

Institution(s): Children's Hospital of Nanjing Medical University, Nanjing, Jiangsu, China

3:04 PM

292 Clinical Outcomes and Complications Following Mandibular Distraction Osteogenesis in Pierre Robin Sequence

Presenter: Xiang Yixin (China)

Author(s): Yixin Xiang, Songchunyan Zhang, Shuyang Dai, Baihui Liu, Jun Li, Chenbin Dong

Institution(s): Department of Plastic and Reconstructive Surgery, Children's Hospital of Fudan University, Shanghai, China

3:08 PM

Discussion

Room: Exhibition

3:30 PM

Coffee Break in Exhibition

Room: Jing-An Grand Ballroom I

4 :00 – 6 :00 PM

FREE PAPER SESSION 1B - NON-SYNDROMIC CRANIOSYNOSTOSIS

4:00 PM

333 Interim Analysis on Prospective Clinical Trial Surgery versus Conservative Treatment in Metopic Synostosis

Presenter: Irene Mathijssen (Netherlands)

Author(s): Irene Mathijssen, Pauline Tio, Merel van Staalduinen, Karolijn Dulfer, Marie-Lise van Veelen, Jochem Spoor, Jolanda Okkerse, Elin Weissbach, Jacoba Kats, Sarah Versnel, Mieke Pleumeekers

Institution(s): Erasmus MC, Rotterdam, Netherlands

4:08 PM

517 Endoscopic-Assisted vs Open Fronto-Orbital Distraction Osteogenesis for Unilateral Coronal Synostosis: A Comparative Photogrammetric Analysis

Presenter: Meagan Wu (United States)

Author(s): Allison Hu, Meagan Wu, Connor Wager, Dillan Villavisanis, David Perrault, Nicholas Han, Isabel Ryan, Philip Tolley, Gregory Heuer, Scott Bartlett, Jordan Swanson, Jesse Taylor, Helen Zhou

Institution(s): Children's Hospital of Philadelphia, Philadelphia, PA, United States

4:12 PM

165 The Role of Genetics on Neurocognitive Outcomes in Nonsyndromic Metopic Craniosynostosis

Presenter: Katelyn Lewis (United States)

Author(s): Paula Flores-Perez, Mariana Almeida, Melanie Vassallo, Katelyn Lewis, Michael Alperovich

Institution(s): Yale School of Medicine, New Haven, CT, United States

4:16 PM

417 Using Machine Learning for the Objective Evaluation of Surgical Outcomes in Sagittal Craniosynostosis

Presenter: Saskia Brullemann (United Kingdom)

Author(s): Saskia Brullemann, Luke Smith, Alexander Rickart, Lara van de Lande, Owase Jeelani, David Dunaway, Silvia Schievano, Simone Foti, Juling Ong

Institution(s): UCL Great Ormond Street Institute of Child Health and Craniofacial Unit, London, United Kingdom

4:20 PM

431 Can we "Overcorrect" our Way to Normal Appearance in Metopic Craniosynostosis?: A Single-Center's 33 Year Odyssey

Presenter: David Perrault (United States)

Author(s): Allison Hu, Carrie Morales, Aaron Zhao, David Perrault, Philip Tolley, Nicholas Han, Isabel Ryan, Dominic Romeo, Jordan Swanson, Scott Bartlett, Jesse Taylor

Institution(s): Children's Hospital of Philadelphia, Philadelphia, PA, United States

4:24 PM

513 Isolated Squamosal Synostosis: A Rare Craniosynostosis Subtype Revisited Through Cohort Analysis

Presenter: Shih-Shan Chen (United States)

Author(s): Shih-Shan Chen, Connor Wagner, Isabel Ryan, Allison Hu, Nicholas Han, Philip Tolley, Jesse Taylor, Jordan Swanson, Scott Bartlett

Institution(s): Children's Hospital of Philadelphia, Philadelphia, PA, United States

4:28 PM

471 Cost and Safety Analysis of Postoperative Admission Practices in Craniosynostosis Repair: ICU vs. Surgical Ward

Presenter: Amanda Gosman (United States)

Author(s): Miriam Becker, Greta Davis, Alvin Nguyen, Spencer Chau, Alexis Macdonald, Melissa Kanack, Benjamin Massenburg, Amanda Gosman

Institution(s): University of California San Diego School of Medicine, San Diego, CA, United States

4:32 PM

575 The Correlation between Intracranial Volume and Visual Function and Cognitive Status in the Patients with Non-Syndromic Multi-Sutural Craniosynostoses after FOA plus CVR Surgery

Presenter: Bin Yang (China)

Author(s): Bin Yang, Ye-hong Zhong

Institution(s): Plastic Surgery Hospital, Peking Union Medical College, Chinese Academy of Medical Sciences, Beijing, P.R.China, Beijing, China

4:36 PM

630 The Marchac Template and Growth of the Forehead in Healthy Subjects from Birth to the End of Craniofacial Growth

Presenter: Hanna Lif (Sweden)

Author(s): Hanna Lif, Eric Arnaud, Roberto Requena, Maya Geoffroy, Giovanna Paternoster, Mehran Moazen, Maxime Taverne, Roman Khonsari

Institution(s): Uppsala University Hospital, Uppsala, Sweden

4:40 PM

146 Age at Craniosynostosis Surgery is Correlated with Increased Speech Language Delays

Presenter: Andrew Salib (United States)

Author(s): Andrew Salib, Kevin Hu, Paula Flores-Perez, Jake Moscarelli, Victoria Kong, Karen Bach, Thao Wolbert, John Persing, Michael Alperovich, Albert Rancu

Institution(s): Yale School of Medicine, New Haven, CT, United States

4:44 PM

69 Spring-Mediated Cranioplasty for Sagittal Synostosis: Does it Contribute to Synostosis of the Uninvolved Sutures?

Presenter: Max Shrout (United States)

Author(s): Davinder Singh, Max Shrout, Trey Watmore, Alma Jukic

Institution(s): Phoenix Children's Hospital, Phoenix, Arizona, United States; Mayo Clinic, Phoenix, Arizona, United States; University of Arizona School of Medicine, Phoenix, AZ, United States

4:48 PM

Discussion

5:02 PM

556 CT Images Observation of Physiological Metopic Suture Fusions

Presenter: Yuzhu Zhu (China)

Author(s): Yuzhu Zhu, Chenbin Dong

Institution(s): Children's Hospital of Fudan University, Shanghai, China

5:06 PM

732 Multi-Omics Mechanism Analysis: The Influence of Extracellular Matrix Remodeling on Osteogenesis/Osteoclastic Imbalance in Craniosynostosis

Presenter: Jing Shi (China)

Author(s): Jing Shi

Institution(s): Plastic Surgery Hospital, Chinese Academy of Medical Sciences, Beijing, China

5:10 PM

789 A Modified Surgical Correction for Trigenocephaly: long-term Evaluation

Presenter: Amir Elbarbary (Egypt)

Author(s): Amir Elbarbary, Hazem Mostafa

Institution(s): Plastic Surgery Department, Ain Shams University, Cairo, Egypt

5:14 PM

807 Comparative Outcomes of Cancellous Bone Allograft Versus Autologous Bone in Cranial Vault Remodeling for Craniosynostosis

Presenter: Daniel M Balkin (United States)

Author(s): Daniel M Balkin, Massoud Sharif, Krystof Stanek, Isabel C Stringfellow, Jay G Berry, Mark R Proctor, John G Meara

Institution(s): Department of Plastic and Oral Surgery, Boston Children's Hospital, Boston, Massachusetts, United States; Harvard Medical School, Boston, MA, United States

5:18 PM

815 Craniosynostosis Management in the Synostosis Registry Group: Baseline data and Early Outcomes

Presenter: Kamlesh Patel (United States)

Author(s): Kamlesh Patel, Gary Skolnick, Jennifer Strahle

Institution(s): Washington University, St. Louis, MO, United States

5:22 PM

22 Secondary Craniosynostosis Following Strip Craniotomy: Identification and Treatment

Presenter: Michael Friel (United States)

Author(s): Michael Friel, H. Harvak Hajebeian, Esther Dupepe, Coung (C.J.) Bui

Institution(s): Ochsner Children's hospital, New Orleans, LA, United States

5:26 PM

755 Lambdoid Craniosynostosis and Neurological Risk: Findings from the Largest Matched Cohort Study

Presenter: Yizhuo Shen (United States)

Author(s): Samira Glaeser-Khan, Yizhuo Shen, Chi Ya Yang, Omar Allam, Melanie Vassallo, Paula Flores Perez, Victoria Kong, Jake Moscarelli, Andrew Salib, David Colen, Michael Alperovich

Institution(s): Yale School of Medicine, New Haven, CT, United States

5:30 PM

825 Evaluating Morphometric Changes in Bicoronal Craniosynostosis Patients Following Endoscopic Strip Craniectomy

Presenter: Robert McKenzie (Canada)

Author(s): Izza Sattar, Robert McKenzie, Curtis Budden

Institution(s): University of Alberta, Edmonton, Alberta, Canada

5:34 PM

103 Normative Growth Values of Inter-Orbital Distance from Birth to Adulthood

Presenter: Colton Fernstrum (United States)

Author(s): Colton Fernstrum, Alexander Velazquez, Laura Humphries

Institution(s): University of Mississippi Medical Center, Jackson, MS, United States

5:38 PM

361 Personalized Surgical Decision-Making in Patients with Sagittal Craniosynostosis

Presenter: Brooke French (United States)

Author(s): Skyler Palmer, Connor Elkhill, Ines Cruz-Guerrero, Diego Gomez, David Khechoyan, Phuong Nguyen, Brooke French, Antonio Porras

Institution(s): University of Colorado School of Medicine, Aurora, CO, United States; Children's Hospital of Colorado, Aurora, CO, United States

5:42 PM

514 Clinical and Aesthetic Outcomes of Neo-Frontobandeau Technique for Fronto-Orbital Advancement

Presenter: Jordan Swanson (United States)

Author(s): Allison Hu, Philip Tolley, Isabel Ryan, Nicholas Han, Scott Bartlett, Jesse Taylor, Jordan Swanson

Institution(s): Children's Hospital of Philadelphia, Philadelphia, PA, United States

5:46 PM

276 Multi-Linear 3D Craniofacial Infant Shape Model Comprising Skin and Bone Surface

Presenter: Andreas Mueller (Switzerland)

Author(s): Andreas Mueller, Till Schnabel, Benito Benitez, Yoriko Lill, Markus Gross, Barbara Solenthaler

Institution(s): Department of Oral and Craniomaxillofacial Surgery, University Hospital Basel and University Children's Hospital Basel, Basel, Basel, Switzerland; Facial and Cranial Anomalies Research Group, Department of Biomedical Engineering and Department of Clinical Research, University Basel, Basel, Basel, Switzerland

5:50 PM

Discussion

Room: Jing-An Grand Ballroom II

4 :00 – 6 :00 PM

FREE PAPER SESSION 3 - CRANIOFACIAL CLEFTS OR ENCEPHALOCELES & NEUROSURGICAL CONSIDERATIONS IN CRANIOFACIAL SURGERY

4:00 PM

505 Ocular Morbidity and Visual Outcomes in Rare Craniofacial Clefts: A Contemporary Cohort Study of 102 Cases

Presenter: Jinggang Jenny Ng (United States)

Author(s): Allison Hu, Jinggang Ng, Anny Zhong, Gil Binenbaum, Isabel Ryan, Nicholas Han, David Perrault, Philip Tolley, Jordan Swanson, William Katowitz, Scott Bartlett, Jesse Taylor

Institution(s): Children's Hospital of Philadelphia, Philadelphia, PA, United States

4:08 PM

220 Long-Term Occlusal Stability Following Hypertelorism Correction via Facial Bipartition and Box Osteotomy

Presenter: Cassio Eduardo Raposo-Amaral (Brazil)

Author(s): Cassio Eduardo Raposo-Amaral, Cesar Augusto Raposo-Amaral, Enrico Ghizoni

Institution(s): SOBRAPAR Hospital, Campinas, SP, Brazil

4:12 PM

349 Long-Term Outcomes after Orbital Hypertelorism Correction: An Assessment of Photogrammetric and Patient-Reported Outcomes

Presenter: Mattia Mahmoud (United States)

Author(s): Isabel Ryan, Helen Zhou, Mattia Mahmoud, Philip Tolley, Dillan Villavisanis, Allison Hu, Nicholas Han, Jordan Swanson, Scott Bartlett, Jesse Taylor

Institution(s): Children's Hospital of Philadelphia, Philadelphia, PA, United States

4:16 PM

512 Objective Analysis of Levator Veli Palatini in Cleft Patients via Intraoperative MRI: A Novel Paradigm in Cleft Care

Presenter: Leticia Lenkiu (United States)

Author(s): Leticia Lenkiu, Hannah Brown, Andrew Willmer, Adrian Osias, Tiffany Lee, Samantha Power, Joseph Lopez, Thomas Sitzman, Davinder Singh, Jamie Perry, Rajendra Sawh-Martinez

Institution(s): University of Central Florida College of Medicine, Orlando, FL, United States

4:20 PM

162 Characterizing Midline Cleft Lip: Comorbidities and Surgical Techniques

Presenter: Sophia Garnica (United States)

Author(s): Raina Patel, Artur Manasyan, Asli Pekcan, Valeria Mejia, Melanie Bakovic, Marvee Turk, William Magee, Mark Urata, Jeffrey Hammoudeh, Sophia Garnica

Institution(s): Nova Southeastern University Dr. Kiran C. Patel College of Allopathic Medicine, Fort Lauderdale, FL, United States; Children's Hospital Los Angeles, Los Angeles, CA, United States

4:24 PM

570 Mastering the Art of Symmetry: Long-Term Outcomes and Management in Patients with Tessier No. 7 Cleft

Presenter: Valeria Mejia (United States)

Author(s): Jeffrey Hammoudeh, Valeria Mejia, Raina Patel, Erin Wolfe, Melanie Bakovic, Asli Pekcan, Meryem Guler, Alyssa Valenti, William Magee III, Mark Urata

Institution(s): University of Southern California, Los Angeles, CA, United States; Children's Hospital Los Angeles, Los Angeles, CA, United States

4:28 PM

490 Chiari Malformation in Syndromic and Non-Syndromic Lambdoid Craniosynostosis: A Longitudinal Cohort Study

Presenter: Jochem Spoor (Netherlands)

Author(s): Jochem Spoor, Iris Cuperus, Marie-Lise van Veelen, Irene Mathijssen

Institution(s): Erasmusmc, Rotterdam, Zuid-Holland, Netherlands

4:32 PM

597 Differences in Psychosocial Outcomes Between Age in Pediatric Patients with Clefts

Presenter: James Antongiovanni (United States)

Author(s): James Antongiovanni, Chizoba Mosieri, Peter Dinh, Medha Vallurupalli, Yash Mehta, Nikhil Shah, Andreina Gonzalez, Van Hoang, Omotayo Arowojolu, Miles Pfaff, Raj Vyas

Institution(s): UC Irvine Plastic Surgery, Orange, CA, United States; WSU Elson S. Floyd College of Medicine, Spokane, WA, United States

4:36 PM

657 Robotic-Assisted Cleft Lip Repair: Feasibility and Insights from a Pilot Study Using a Novel 3D-printed Cleft Model

Presenter: Hannah Brown (United States)

Author(s): Hannah Brown, Leticia Lenki, Andrew Wilmer, Luz Diaz, Jack Stubbs, Rajendra Sawh-Martinez

Institution(s): University of Central Florida College of Medicine, Orlando, FL, United States

4:40 PM

21 Craniocervical Pathology in Children with Multi-Suture Craniosynostosis: Incidence and Management

Presenter: David Bauer (United States)

Author(s): Roboan Arguello, Somto Ngwudike, Kathleen Hosek, David Bauer

Institution(s): Louisiana State University Health Sciences Center, New Orleans, LA, United States

4:44 PM

244 Assessing Hydrocephalus and Cerebellar Ectopia in Apert Syndrome Patients Undergoing Posterior Vault Distraction Osteogenesis

Presenter: Enrico Ghizoni (Brazil)

Author(s): Enrico Ghizoni, Cesar Augusto Raposo-Amaral, Felipe Landgraf, Cassio Eduardo Raposo-Amaral

Institution(s): SOBRAPAR Hospital, Campinas, SP, Brazil; UNICAMP, Campinas, SP, Brazil

4:48 PM

Discussion

4:58 PM

257 Analysis of Lateral Ventricular Volume Changes in a Patient with Nonsyndromic Sagittal Craniosynostosis and Slit Ventricle Syndrome Following Posterior Vault Distraction

Presenter: Alexander Velazquez (United States)

Author(s): Alexander Velazquez, Michael Lebhar, Katherine Baker, Laura Humphries, Ian Hoppe

Institution(s): University of Mississippi Medical Center, Jackson, MS, United States

5:02 PM

432 Analysis of Nasolabial Morphology in Patients with Secondary Malocclusion Due to Cleft Lip and Palate Following Bimaxillary Surgery

Presenter: Ming Cai (China)

Author(s): Jiahui Xie, Ming Cai

Institution(s): Shanghai Jiao Tong University School of Medicine Affiliated Ninth People's Hospital, Shanghai, China

5:06 PM

518 A Novel Method to Predict the Existence of Bridging Veins between the Superior Sagittal Sinus and the Skull to Prevent Hemorrhage during Endoscopic Strip Craniectomy for Sagittal Craniosynostosis

Presenter: Suresh Magge (United States)

Author(s): Suresh Magge

Institution(s): Department of Neurosurgery, University of Michigan, CS Mott Children's Hospital, Ann Arbor, MI, United States

5:10 PM

589 Posterior Cranial Vault Expansion in Giant Occipital Encephaloceles: Restoring Intracranial and Posterior Fossa Volume

Presenter: Lindsey Teal (United States)

Author(s): Lindsey Teal, Robert Buckley, Amy Lee, Srinivas SUnited Statesrla

Institution(s): University of Washington, Seattle, WA, United States

5:14 PM

784 Posterior Calvarial Distraction in Previously Shunted Patients –Birmingham Experience

Presenter: Jagajeevan Jagadeesan (United Kingdom)

Author(s): Desiderio Rodrigues, Fardad Afshari, Jaime Grant, Martin Evans, Pasqualae Gallo, Jagajeevan Jagadeesan

Institution(s): West Midlands Supra Regional Craniofacial Unit, Birmingham Children's Hospital., Birmingham, West Midlands, United Kingdom

5:18 PM

808 Age at Surgery for Frontal Encephalocele Influences the Final Morphology of the Nasofrontal Area. Long-Term Follow-Up

Presenter: Nivaldo Alonso (Brazil)

Author(s): Nivaldo Alonso, Hamilton Matushita, Cristiano Tonello, Chaline Matushita

Institution(s): University of Sao Paulo, Sao Paulo, SP, Brazil

5:22 PM

841 Medial Wall Osteotomy and Reconstruction for Correction of Orbital Hypertelorism : To Box or Not to Box

Presenter: Ali Azeem Naqvi (Pakistan)

Author(s): Ali Azeem Naqvi

Institution(s): Bahria International Hospital, Rawalpindi, Punjab, Pakistan

5:26 PM

167 Implementation of Treatment Strategy for Diverse Presentation of Craniofacial Clefts: A Study from Safdarjung Hospital India

Presenter: Rakesh Kain (India)

Author(s): Rakesh Kumar Kain

Institution(s): VMMC and Safdarjung Hospital, New Delhi, Delhi, India

5:30 PM

344 Concurrent Posterior Vault Expansion and Extradural Chiari Decompression in Syndromic and Non-Syndromic Craniosynostosis: A Case Series of Eight Patients

Presenter: Gregory Heuer (United States)

Author(s): Isabel Ryan, Ashley Chang, Philip Tolley, Allison Hu, Jordan Swanson, Scott Bartlett, Shih-shan Lang, Phillip Storm, Gregory Heuer, Jesse Taylor

Institution(s): Children's Hospital of Philadelphia, Philadelphia, PA, United States

5:34 PM

394 Pre-Surgical Taping for Wide Facial Cleft

Presenter: Shania Priza Adelia (Indonesia)

Author(s): Lobredia Zarasade, Shania Priza Adelia

Institution(s): Department of Plastic Surgery, Reconstructive, and Aesthetic, Faculty of Medicine, Universitas Airlangga, Surabaya, East Java, Indonesia; Dr. Soetomo General Academic Hospital, Surabaya, East Java, Indonesia

5:38 PM

737 Ethnicity-Based Differences in Psychosocial Outcomes in Hispanic and Non-Hispanic Patients With Cleft Lip and Palate

Presenter: Cindy Vu (United States)

Author(s): Chizoba Mosieri, James Antongiovanni, Peter Dinh, Medha Vallurupalli, Yash Mehta, Nikhil Shah, Andreina Gonzalez, Van Hoang, Omotayo Arowojolu, Douglas Olson, Sharon Vargas, Olga Guijon, Roza Mahdiyar, Touran Zadeh, Miles Pfaff, Raj Vyas, Cindy Vu

Institution(s): Louisiana State University School of Medicine, Shreveport, LA, United States; Department of Plastic Surgery, University of California Irvine Health Medical Center, Orange, CA, United States; Children's Hospital of Orange County, Orange, CA, United States

5:42 PM

800 Perioperative Antibiotic Use in Cleft Lip and Palate Repair: A Systematic Review

Presenter: Taylor Schuman (United States)

Author(s): Taylor Schumann, Michael Gedestad, Benjamin Massenburg

Institution(s): Loyola University Chicago Stritch School of Medicine, Chicago, IL, United States

5:46 PM

65 Application of Frontale Priority Strategy in Surgical Correction of Hypertelorism Secondary to Craniosynostosis

Presenter: Zheyuan Yu (China)

Author(s): Zheyuan YU, Yijia ZHU, Liang XU, Min WEI

Institution(s): Dept. of PRS, Shanghai Ninth People Hospital, Shanghai, China

5:50 PM

A Novel Method for Alveolar Bone Graft: A Preliminary Clinical Study

Presenter: Xinran Zhao (China)

Author(s): Xinran Zhao (China)

5:54 PM Discussion

Wednesday, October 29, 2026

Room: Jing-An Grand Ballroom III
Poster Session

Room: Jing-An Grand Ballroom I
7:30 - 8:30 AM
ISCFS BUSINESS MEETING

Room: Jing-An Grand Ballroom I
8:30 - 10:00 AM
FREE PAPER SESSION 4A - SYNDROMIC CRANIOSYNOSTOSIS

8:30 AM

740 Associations Between FGFR-Mutations and Clinical Presentation in Crouzon-Pfeiffer Syndrome

Presenter: Meike Tjaberinga (Netherlands)

Author(s): Meike Tjaberinga, Elin Weissbach, Koen Joosten, Marie-Lise van Veelen, Irene Mathijssen,
Workgroup Craniosynostosis ERN-CRANIO

Institution(s): Erasmus Medical Centre, Rotterdam, Zuid-Holland, Netherlands

8:38 AM

84 Aesthetic Refinements in Craniosynostosis Patients during Adolescence

Presenter: Fernando Molina (Mexico)

Author(s): Fernando Molina

Institution(s): Univ Nac Aut MexicoM, CDMX, DF, Mexico; Hospital Angeles Pederegal, CDMX, DF, Mexico

8:42 AM

215 Predictors of Epilepsy in Syndromic Craniosynostosis

Presenter: Daniela Alves Gulhote (Brazil)

Author(s): Daniela Gulhote, Enrico Ghizoni, Cassio Raposo Amaral

Institution(s): SOBRAPAR, Campinas, SP, Brazil

8:46 AM

401 Regional Brain Volume Alterations in FGFR-Related Craniosynostoses: A Normative Modeling Approach

Presenter: Omblin Delassus (France)

Author(s): Omblin Delassus, Lucas Chollet, Barbara Youngui, Jérémy Sadoine, Giovanna Paternoster, Jean-François Mangin, Roman Hossein Khonsari, David Germanaud

Institution(s): Université Paris Cité, Inserm, Institut Imagine, Paris, France; Université Paris-Saclay, CEA, Neurospin, BAOBAB, Gif-sur-Yvette, France; Craniofacial Growth and Form lab, Paris, France

8:50 AM

416 Apert and Crouzon Syndrome: Morphological Analysis of Posterior Cranial Fossa under Posterior Cranial Vault Expansion

Presenter: Ruonan Dong (United Kingdom)

Author(s): Ruonan Dong, Ce Liang, SUnited Statesn Evans, David Johnson, Wuyang Shui, Christian Duncan, Roman Khonsari, Giovanna Paternoster, Mehran Moazen

Institution(s): Department of Mechanical Engineering, University College London, London, United Kingdom

8:54 AM

521 Advancing the Midface in Crouzon and Pfeiffer Syndrome

Presenter: Philip Tolley (United States)

Author(s): Allison Hu, Philip Tolley, Isabel Ryan, Nicholas Han, Jordan Swanson, Scott Bartlett, Jesse Taylor

Institution(s): Children's Hospital of Philadelphia, Philadelphia, PA, United States

8:58 AM

840 Minimal Access Le Fort III osteotomy with Robotic Assistance (MALO -R) for Distraction

Osteogenesis in Young Children with Syndromic Craniosynostosis

Presenter: Pramod Subash (India)

Author(s): Pramod Subash, Suhas Udayakumaran, Shibani Nerurkar

Institution(s): Amrita Institute of Medical Sciences, Kochi, Kerala, India

9:02 AM

24 Respiratory Outcomes in Apert Syndromes

Presenter: Eric Arnaud (France)

Author(s): Eric Arnaud, Elle Vandervoord, Giovanna Paternoster, Roman H Khonsari

Institution(s): Necker Craniofacial Unit, Paris, France

9:06 AM

129 Learning Curve for Frontofacial Monobloc Advancement in one Japanese Craniofacial Team

Presenter: Sakamoto Yoshiaki (Japan)

Author(s): YOSHIAKI SAKAMOTO, Tomoru Miwa, Kentaro Tomita, Takenobu Ishii

Institution(s): Keio University School of Medicine, Tokyo, Japan

9:10 AM

406 Spatiotemporal Single-Cell Atlas of Coronal Suture Development in Crouzon Syndrome

Presenter: Xinyan Chen (China)

Author(s): xinyan Chen, xiaolei Jin

Institution(s): Plastic Surgery Hospital, Chinese Academy of Medical Sciences, Beijing, China

9:14 AM

Discussion

9:23 AM

456 A Retrospective Study Comparing External and Internal Devices in Le Fort III Distraction for Syndromic Craniosynostosis

Presenter: Xiaojing Liu (China)

Author(s): Xiaojing Liu, Yue Liu, Yuting Wang, Yi Zhang

Institution(s): Peking University School and Hospital of Stomatology, Beijing, China

9:27 AM

485 Characterisation of Genetic Diagnoses in our Bilateral Lambdoid and Sagittal Craniosynostosis Population

Presenter: Christian Parks (United Kingdom)

Author(s): Martin Van Carlen, Tarek Elmoslemany, Sivagamy Sithambaram, Chris Parks

Institution(s): Alder Hey Childrens Hospital, Liverpool, United Kingdom

9:31 AM

504 The APERT Severity Scale: A Quantitative Tool for Risk Stratification in Apert Syndrome

Presenter: Allison Hu (United States)

Author(s): Allison Hu, David Perrault, Philip Tolley, Isabel Ryan, Nicholas Han, Eric Liao, Jordan Swanson, Scott Bartlett, Jesse Taylor

Institution(s): Children's Hospital of Philadelphia, Philadelphia, PA, United States

9:35 AM

684 Management of the Apert Hand: The Boston Children's Experience

Presenter: Joseph Firriolo (United States)

Author(s): Brian Labow, Joseph Firriolo, Laura Nuzzi, Brianna Reed, Ava White, Daniel Balkin, Amir Taghinia

Institution(s): Department of Plastic and Oral Surgery, Boston Children's Hospital, Harvard Medical School, Boston, MA, United States

9:39 AM

801 The Birmingham Algorithm for Calvarial Expansion

Presenter: Desi Rodriguez (United Kingdom)

Author(s): Desiderio Rodrigues, Natasha Wielogórska, Fardad Afshari, Pasquale Gallo, Jaime Grant, Martin Evans, Jagajeevan Jagadeesan

Institution(s): Birmingham Children's Hospital NHS, Birmingham, United Kingdom

9:43 AM

804 Facial Degloving in Midface Advancement for FGFR2 Syndromes: Evaluating Its Role in Premature Aging

Presenter: Artur Manazyan (United States)

Author(s): Melanie Bakovic, Erin Wolfe, Valeria Mejia, Asli Pekcan, Raina Patel, Artur Manasyan, Pasha Shakoori, Mark Urata, Jeffrey Hammoudeh, Sarah Wang

Institution(s): Children's Hospital Los Angeles, Los Angeles, CA, United States; The George Washington University School of Medicine and Health Sciences, Washington, DC, United States

9:47 AM

32 Presentation, Diagnosis, and Management of Progressive Postnatal Pansynostosis in Crouzon Syndrome: An Illustrative Case Series

Presenter: Christina Tran (United States)

Author(s): Christina Tran, Eisha Christian, Trevor Hoffman, Stacey Francis

Institution(s): Kaiser Permanente School of Medicine, Pasadena, CA, United States

9:51 AM

Discussion

Room: Jing-An Grand Ballroom II

8:30 - 10:00 AM

FREE PAPER SESSION 5A - CRANIOFACIAL MICROSOMIA INCLUDING MICROTIA

8:30 AM

593 Age, Race, and Socioeconomic Factors in Microtia Reconstruction: An Analysis of Over 1000 Surgical Cases from the Pediatric Health Information System Database

Presenter: Jalynn Waites (United States)

Author(s): James Antongiovanni, Chizoba Mosieri, Jalynn Waites, Sierra Willens, Nikhil Shah, Leonardo Alaniz, Tricia Morphey, Raj Vyas, Kevin Blaine, Miles Pfaff

Institution(s): WSU Elson S. Floyd College of Medicine, Spokane, WA, United States; UC Irvine Plastic Surgery, Orange, CA, United States

8:34 AM

85 Redefining Grade II-B Hemifacial Microsomnia Treatment Using Mandibular Distraction after 20 Years of Follow-Up

Presenter: Fernando Molina (Mexico)

Author(s): Fernando Molina

Institution(s): Univ Nac Aut Mexico, CDMX, DF, Mexico; Hosp Angeles Pedregal, CDMX, DF, Mexico

8:38 AM

462 Incidence and Anatomical Manifestations of High-Riding Jugular Bulb in Patients with Different Types of Craniofacial Microsomnia

Presenter: Chen Ke (China)

Author(s): Chen Ke

Institution(s): General department, Plastic Surgery Hospital, Chinese Academy of Medical Sciences, Beijing, China

8:42 AM

569 An Assessment of the Interrater Reliability of Phenotypic Classification of Craniofacial Microsomnia by Clinical Photographs

Presenter: Caitlin Jacobs (United States)

Author(s): Megan Perez, Caitlin Jacobs, Benjamin Smith, Kelsey Green, Jessamyn Balma, Malory Alexis, Chad Purnell

Institution(s): Division of Plastic Surgery, Northwestern University, Chicago, IL, United States

8:46 AM

641 Personalized Orthognathic Surgical Treatment Strategies for Hemifacial Microsomnia Patients

Presenter: Xudong Wang (China)

Author(s): Xudong Wang, Guofang Shen, Hongbo Yu, Lei Zhang, Jian Cao, Hao Sun, Biao Li, Kai Liu, Hongpu Wei, Jingshuang Yu, Kehan Li

Institution(s): Shanghai Ninth People's Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, China

8:50 AM

30 The Role of Adenoid Hypertrophy in Craniofacial Microsomnia Patients with Obstructive Sleep Apnea: A Retrospective Study

Presenter: Yingxiang Liang (China)

Author(s): YINGXIANG LIANG

Institution(s): Peking Union Medical College, Beijing, Beijing, China

8:54 AM

739 Three-Dimensional Computed Tomographic Analysis of Mandibular Deformity in Children with Type IIA Craniofacial Microsomia Based on Skeletal Subunits

Presenter: Lei Li (China)

Author(s): Lei Li, Zhiyong Zhang

Institution(s): Plastic Surgery Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China

8:58 AM

120 Identification of Genetic Variants in Microtia Using Next Generation Sequencing (NGS)

Presenter: Tisya Wahdini (Indonesia)

Author(s): Siti Isya Wahdini, Indri Lakhsmi Putri, Kristy Iskandar, Gunadi Gunadi, Naura Nadhira, Almas Prawoto, Alfredo Nugroho, Lilyana Wulandari

Institution(s): Plastic Reconstructive and Aesthetic Surgery Division – Department of Surgery, Faculty of Medicine, Public Health, and Nursing, Universitas Gadjah Mada/ Dr. Sardjito General Hospital, Yogyakarta, Indonesia

9:02 AM

380 Preservation of the Periosteum Facilitates Osteogenesis Following Mandibular Ramus Reconstruction with Costochondral Grafts in Patients with Hemifacial Microsomia

Presenter: Hao Sun (China)

Author(s): Hao Sun, Hongpu Wei, Xudong Wang

Institution(s): Ninth People's Hospital, Shanghai JiaoTong University School of Medicine, Shanghai, Shanghai, China

9:06 AM

182 Development of a Novel Large-Animal Model for Craniofacial Microsomia: Proportional Skeletal Defects in Mandibular Ramus and Zygomatic Arch

Presenter: Hongwen Li (China)

Author(s): Hongwen Li, Zhiyong Zhang

Institution(s): Plastic Surgery Department, China-Japan Friendship Hospital, Beijing, China

9:10 AM

351 Early Mandibular Distraction Osteogenesis for Hemifacial Microsomia: A Single-Center Clinical Experience in China

Presenter: Gang Chai (China)

Author(s): Gang Chai

Institution(s): Shanghai Ninth People's Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, China

9:14 AM

548 Respiratory Outcome of Mandibular Distraction Osteogenesis on Obstructive Sleep Apnea in Craniofacial Microsomia: A Retrospective Study

Presenter: Lunkun Ma (China)

Author(s): Lunkun Ma, Wei Liu, Zhiyong Zhang

Institution(s): Plastic Surgery Hospital, Chinese Academy of Medical Sciences, Peking Union Medical College, Beijing, China

9:18 AM

Discussion

9:23 AM

628 Microtia and Complex Chronic Conditions in the United States: An Analysis of 22,075 Pediatric Patients From the Pediatric Health Information System Database

Presenter: Miles Pfaff (United States)

Author(s): Chizoba A. Mosieri, James Antongiovanni, Sierra Willens, Kevin Blaine, Leonardo Alaniz, Nikhil Shah, Raj Vyas, Miles Pfaff

Institution(s): Louisiana State University School of Medicine, Shreveport, LA, United States; Department of Plastic Surgery, University of California Irvine Health Medical Center, Orange, CA, United States

9:27 AM

76 A Four-Year Analysis of the Complications and Outcomes of Using Cadaveric Costal Cartilage for Ear Reconstruction

Presenter: Nicholas Bastides (United States)

Author(s): Eric Bao, Stephanie Rothberg, Jose Palacios, Nicholas Bastidas

Institution(s): Northwell Health, New Hyde Park, NY, United States

9:31 AM

200 A Preclinical Evaluation of Electromagnetic Navigation Robot-Assisted Mandibular Distraction Osteogenesis in Craniofacial Microsomia: Model and Animal Experiments

Presenter: Sup Kim (China)

Author(s): Byeong Seop Kim, Gang Chai

Institution(s): Department of Plastic and Reconstructive Surgery, Shanghai 9th People's Hospital, School of Medicine, Shanghai Jiao Tong University, Shanghai, China

9:35 AM

39 Novel 3D-Printed Aids for Total Ear Reconstruction

Presenter: Asaf Olshinka (Israel)

Author(s): Asaf Olshinka

Institution(s): Schneider Children's Medical Center, Petach Tikva, Israel

9:39 AM

750 Rib Autograft vs. Porous Polyethylene Implant Outcomes in Microtia Reconstruction: A Meta-Analysis and Systematic Review

Presenter: Arjun Shetty (United States)

Author(s): Sofia Finestone, Liara S. Ortiz-Ocasio, Arjun Shetty, Brandon Boyarsky, Stephanie Vu, Nicole Derdzakyan, Md Sohel Rana, Gary Rogers, Albert Oh

Institution(s): Division of Plastic and Reconstructive Surgery, Children's National Hospital, Washington, DC, United States

9:43 AM

123 Classification and Treatment Strategies for Traumatic Ear Defects

Presenter: Datao Li (China)

Author(s): Datao Li, Ruhong Zhang

Institution(s): Department of Plastic and Reconstructive Surgery, Shanghai Ninth People's Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, China

9:47 AM

140 An Alternative Posterosuperior-Auricular Fascia Flap for Ear Elevation During Microtia Reconstruction

Presenter: Yiyuan Lee (China)

Author(s): Yiyuan Li, Ruhong Zhang

Institution(s): Shanghai 9th People's Hospital, Shanghai JiaoTong University School of Medicine., Shanghai, China

9:51 AM

86 Microtia: Lessons Gleaned from 1012 Reconstruction Operations over the Last 6 Years

Presenter: Xia Chen (China)

Author(s): Xia Chen

Institution(s): Shanghai 9th People's Hospital, Shanghai, China

9:55 AM

Discussion

Room: Exhibition

10:00 – 10:30 AM

Coffee Break in Exhibition

Room: Jing-An Grand Ballroom I

10:30 AM - 12:00 PM

FREE PAPER SESSION 4B- SYNDROMIC CRANIOSYNOSTOSIS

10:30 AM

261 Evaluating Surgical Outcomes and Syndromic Correlates in Patients with Bicoronal Synostosis: A Comprehensive Study at Great Ormond Street Hospital (2009-2024)

Presenter: Costas Fantis (United Kingdom)

Author(s): Costas Fantis, David Moon, Dulanka Silva, Juling Ong, Simon Eccles, Owase Jeelani, David Dunaway, Greg James

Institution(s): Great Ormond Street Hospital, London, United Kingdom

10:34 AM

362 CT Imaging Signs of Intracranial Hypertension and Volumetric Anomalies in Apert Syndrome: Insights for Early Surgical Intervention

Presenter: Diego Gomez (United States)

Author(s): Diego A. Gomez, Isabelle J. Meredith, Skyler K. Palmer, Marius George Linguraru, David Y. Khechoyan, Phuong D. Nguyen, Brooke French, Antonio R. Porras

Institution(s): Department of Pediatric Plastic and Reconstructive Surgery, Children's Hospital of Colorado, Aurora, Colorado, United States; Division of Plastic and Reconstructive Surgery, University of Colorado Anschutz Medical Campus, Aurora, CO, United States

10:38 AM

659 Early Endoscopic Strip Craniectomy with Posterior Vault Distraction Osteogenesis for Complex Craniosynostosis: A Comprehensive Approach

Presenter: Raj Sawh-Martinez (United States)

Author(s): Rajendra Sawh-Martinez, Rose Meltzer, William Cobb, Leticia Lenkiu

Institution(s): AdventHealth for Children, Orlando, FL, United States

10:42 AM

680 Long-Term Stability of Le Fort III Distraction Osteogenesis in Syndromic Craniosynostosis: A Five-Year Follow-Up Study

Presenter: Fengqi Song (China)

Author(s): Fengqi Song, Xiaojing Liu, Yuting Wang, Yue Liu

Institution(s): Peking University School and Hospital of Stomatology, Beijing, Beijing, China

10:46 AM

783 Variation in Clinical Presentation in Apert Syndrome: An Analysis of Clinical Features and Outcomes of two Pathogenic FGFR2 Variants.

Presenter: Elin Weissbach (Netherlands)

Author(s): Elin Weissbach, Janneke De Wijs, Irene Mathijssen

Institution(s): Erasmus MC, Rotterdam, Netherlands

10:50 AM

298 Individualized Surgical Treatment for Different Types of Syndromic Craniosynostosis: Design, Implementation and Outcomes

Presenter: Xu Liang (China)

Author(s): Xu Liang, Wei Min

Institution(s): Department of Plastic and Reconstructive Surgery, Shanghai Ninth People's Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, China

10:54 AM

148 A 10-Year Review of Cranial Remolding Orthosis Treatment for Infants with Isolated Deformational Plagiocephaly

Presenter: Anna Trebilcock (United States)

Author(s): Anna Trebilcock, Jill Findley, Jeffrey Kasperek, J. Suzanne Cherry, Stephen Beals, Timothy Littlefield

Institution(s): Cranial Technologies, Inc., Tempe, AZ, United States

10:58 AM

163 A Retrospective Analysis of Nutritional Status as a Predictor of Surgical Outcomes in Syndromic Craniosynostosis

Presenter: Alyssa Valenti (United States)

Author(s): Raina Patel, Asli Pekcan, Valeria Mejia, Melanie Bakovic, Laura Herrera Gomez, Alyssa Valenti, Jeffrey Hammoudeh, Mark Urata

Institution(s): Nova Southeastern University Dr. Kiran C. Patel College of Allopathic Medicine, Fort Lauderdale, FL, United States; Children's Hospital Los Angeles, Los Angeles, CA, United States

11:02 AM

195 Evaluating Cranial Shape and Symmetry in Patients with Syndromic Craniosynostosis following Open Cranial Vault Remodeling with Postoperative Helmet Therapy

Presenter: Anika Kim (United States)

Author(s): Anika Kim, Asli Pekcan, Valeria Mejia, Melanie Bakovic, Raina Patel, Laura Herrera Gomez, Alyssa Valenti, Jeffrey Hammoudeh, Mark Urata

Institution(s): Keck School of Medicine of USC, Los Angeles, CA, United States

11:06 AM

460 Evaluation of Maxillary Posterior Permanent Molars in Patients with Syndromic Craniosynostosis After Le Fort III Distraction

Presenter: Yuting Wang (China)

Author(s): Yuting Wang, Xiaojing Liu, Yi Zhang

Institution(s): Peking University School and Hospital of Stomatology, Beijing, China

11:10 AM

Discussion

11:15 AM

463 The GOSH Severity Score: A Validated Method for Grading Functional Severity of Patients with Complex Craniosynostosis

Presenter: Richard Hayward (United Kingdom)

Author(s): Richard Hayward, Catherine Zhang, Gregory James, Owase Jeelani, David Dunaway

Institution(s): Great Ormond Street Hospital for Children, London, United Kingdom

11:19 AM

503 Contemporary Management of the Midface in Apert Syndrome

Presenter: Jesse Taylor (United States)

Author(s): Meagan Wu, Allison Hu, Isabel Ryan, Nicholas Han, Philip Tolley, Jordan Swanson, Scott Bartlett, Jesse Taylor

Institution(s): Children's Hospital of Philadelphia, Philadelphia, PA, United States

11:23 AM

568 Skull Base Cephalometrics in Patients with Craniofacial Syndromes – Can You Trust SN to Guide Orthognathic Surgery?

Presenter: Malory Alexis (United States)

Author(s): Catherine Xu, Benjamin Smith, Kelsey Green, Akriti Choudhary, Megan Perez, Malory Alexis, Linping Zhao, Chad Purnell

Institution(s): Division of Plastic, Reconstructive & Cosmetic Surgery, University of Illinois College of Medicine at Chicago, Chicago, IL, United States

11:27 AM

624 Functional Synchronodrosectomy for Syndromic Craniosynostoses: A Proof of Concept

Presenter: Roman Khonsari (France)

Author(s): Nicolas Kogane, Sébastien Froelich, Bertrand Baussart, Arianna Fava, Mehran Moazen, Maxime Taverne, Zijin Quin, Jesse Taylor, Eric Arnaud, Giovanna Paternoster, Roman Hossein Khonsari

Institution(s): Hôpital Necker - Enfants malades, AP-HP, Paris, France; Laboratoire Forme et Croissance du Crâne, Institut Imagine, Paris, France

11:31 AM

644 Noninvasive Ventilation via Nasal Mask Aggravates Midface Retrusion in Syndromic Craniosynostosis

Presenter: Maxime Taverne (France)

Author(s): Maxime Taverne, Margaux Ntirubuza, Aloïs Roussel, Yehong Zhong, Suzann Beukes, Mehran Moazen, Roman Hossein Khonsari, Brigitte Fauroux, Sonia Khirani

Institution(s): Institut Imagine, Paris, France

11:35 AM

693 Two Decades of Institutional Experience in Posterior Vault Distraction Osteogenesis: A Review of Patient Demographics and Surgical Outcomes

Presenter: Erin Wolfe (United States)

Author(s): Erin Wolfe, Artur Manasyan, Melanie Bakovic, Valeria Mejia, Asli Pekcan, Raina Patel, Jeffrey Hammoudeh, Mark Urata

Institution(s): University of Southern California, Los Angeles, CA, United States; Children's Hospital of Los Angeles, Los Angeles, CA, United States

11:39 AM

208 Free-Floating Bone Flap Posterior Cranial Vault Release in Syndromic Craniosynostosis

Presenter: Zeyang Xia (China)

Author(s): Zeyang Xia, Nan Bao, QinChuan Liang, Xu Kang, Yong Sun

Institution(s): Shanghai Children's Medical Center, Shanghai, Shanghai, China

11:43 AM

248 Comparison of Monoblock Distraction and Front-Orbital + Le Fort III Distraction

Presenter: Nobuhiro Ando (Japan)

Author(s): Nobuyuki Mitsukawa, Kahoko Yamada, Nobuhiro Ando, Yoshihisa Yamaji

Institution(s): Department of Plastic, Reconstructive and Aesthetic Surgery, Chiba University, Chiba, Japan

11:47 AM

274 Evaluation of Bone Regeneration Following Suturectomy Using Absorbable Plates in Early Surgery for Syndromic Craniosynostosis

Presenter: Daisuke Sakahara (Japan)

Author(s): DAISUKE SKAHARA, Mariko Noto, Keisuke Imai

Institution(s): Osaka city general hospital, Osaka, Japan

11:51 AM

645 Cranioplasty for Sweeney-Cox Syndrome: Japan's First Report and Surgical Insight

Presenter: Joceline Theda Kadarman (Japan)

Author(s): Joceline Theda Kadarman, Nobuyuki Mitsukawa

Institution(s): Department of Plastic, Reconstructive, and Aesthetic Surgery, Graduate School of Medicine, Chiba University, Chiba, Japan

11:55 AM

735 Outcome of Cranial Defects After Surgical Correction of Syndromic Craniosynostosis.

Presenter: Yueqing Wang (China)

Author(s): Yueqing Wang, Chenbin Dong

Institution(s): Children's Hospital of Fudan University, Shanghai, Shanghai, China

11:59 PM

Discussion

Room: Jing-An Grand Ballroom II

10:30 - 11:20 AM

FREE PAPER SESSION 5B - CRANIOFACIAL MICROSOMIA INCLUDING MICROTIA

10:30 AM

472 Refining Constricted Ear Reconstruction: Clinical Application of the Park Algorithm Supported by a Systematic Review

Presenter: Valencia Jane Martin (Indonesia)

Author(s): Valencia Jane Martin, Kristaninta Bangun

Institution(s): Division of Plastic, Reconstructive and Aesthetic Surgery. Department of Surgery.

Ciptomangunkusmo National Referral Hospital. Faculty of Medicine Universitas Indonesia, Jakarta, DKI Jakarta, Indonesia

10:34 AM

190 Microtia in Indonesia: Characteristics and Family History Analysis on the Presence of Other Congenital Anomalies in Patients With Microtia

Presenter: Indri Lakhsmi Putri (Indonesia)

Author(s): Indri Lakhsmi Putri, Desrainy Inhardini Gunadiputri, Imaniar Fitri Aisyah, Pudji Lestari, Lobredia Zarasade

Institution(s): Department of Plastic Reconstructive and Aesthetic Surgery, Faculty of Medicine, Airlangga University, Surabaya, East Java, Indonesia; Plastic Reconstructive and Aesthetic Surgery Unit, Universitas Airlangga Hospital, Surabaya, East Java, Indonesia

10:38 AM

212 The Biomechanical Properties of A Modified Distraction Device Used in Mandibular Distraction Osteogenesis for Craniofacial Microsomia Patients: A Simulation Finite Element Analysis Study

Presenter: Anna Liu (China)

Author(s): Anna Liu, Xiaojun Tang

Institution(s): Department of Craniomaxillofacial Surgery, Plastic Surgery Hospital, Chinese Academy of Medical Sciences, Peking Union Medical College, Beijing, China

10:42 AM

734 Patient and Family Perspectives on Tissue Engineering in Microtia Reconstruction

Presenter: Arya Sherfat (United States)

Author(s): Arya Sherfat, James Antongiovanni, Chizoba Mosieri, Ashton Rosebloom, Lana Mamoun, Sierra Willens, Miles Pfaff

Institution(s): University of California, Riverside School of Medicine, Riverside, CA, United States;

Department of Plastic Surgery, University of California Irvine Medical Center, Orange, CA, United States

10:46 AM

501 Microtia as a Marker for Craniofacial Microsomia: Prevalence and Phenotypic Correlation in Indonesia

Presenter: Lilyana Ulfa (Indonesia)

Author(s): Lilyana Ulfa Wulandari

Institution(s): Ringroad Selatan General Hospital, Bantul, Yogyakarta, Indonesia

10:50 AM

290 Three-Dimensional Cephalometric Analysis of Morphological Characteristic in Children with Bilateral Craniofacial Microsomia

Presenter: Chen Li (China)

Author(s): Chen Li, Xiaojun Tang, Wei Liu

Institution(s): Plastic Surgery Hospital and Institute, Chinese Academy of Medical Sciences, Peking Union Medical College, Beijing, China

10:54 AM

352 Mandibular Distraction Osteogenesis in Toddlers with Hemifacial Microsomia: A Five-Year Follow-Up of a Randomized Controlled Trial

Presenter: Xiaojun Chen (China)

Author(s): Xiaojun Chen

Institution(s): Shanghai Ninth People's Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, China

10:58 AM

447 Robot-assisted surgery vs Traditional Surgery for Mandibular Distraction Osteogenesis in Hemifacial Microsomia: A Randomized Clinical Trial

Presenter: Ziwei Zhang (China)

Author(s): Ziwei Zhang, Li Lin, Gang Chai

Institution(s): Shanghai 9th People's Hospital, School of Medicine, Shanghai Jiao Tong University, Shanghai, China

11:02 AM

799 Living with Facio-Auriculo-Vertebral Spectrum: A 20 Year Single Institution Experience

Presenter: Melissa Kanack (United States)

Author(s): Lucy Sheahan, Alvin Nguyen, Michael Gedestad, McKay Reese, Hunter Faris, Cyril Harfouche, Kelli Lopes, Melissa Kanack, Benjamin Massenburg, Amanda Gosman

Institution(s): University of California San Diego Division of Plastic Surgery, San Diego, CA, United States

11:06 AM

626 Application and Accuracy of Patient-Specific Implant in the Reconstruction of the Mandibular Ramus by Costochondral Grafts in Patients with Hemifacial Microsomia: A Preliminary Study

Presenter: Hongpu Wei (China)

Author(s): Hongpu Wei, Hao Sun, Xudong Wang

Institution(s): Department of Oral and Craniomaxillofacial Surgery, Shanghai Ninth People's Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, China

11:10 AM

Discussion

Room: Jing-An Grand Ballroom II

11:20 AM – 12:00 PM

FREE PAPER SESSION 6 – FACIAL DYSOSTOSIS

11:20 AM

632 Congenital Arhinia: A Case Report with Ongoing Follow-up 10 Years and Two Additional Patients

Presenter: Zeynep Nesil Demirli (Turkey)

Author(s): Zeynep Nesil Demirli, Etkin Boynuyogun, Gökhan Tunçbilek

Institution(s): Hacettepe University, Ankara, Altındağ, Turkey

11:24 AM

736 Optimal Diagnostic and Treatment Practices for Facial Dysostosis Syndromes: A Clinical Consensus Statement Among European Experts

Presenter: Victor van Roey (Netherlands)

Author(s): Victor L. van Roey, Willemijn F.E. Irvine, Sarah L. Versnel

Institution(s): Erasmus University Medical Centre Rotterdam - Sophia Children's Hospital, Rotterdam, Netherlands; European Reference Network CRANIO, Rotterdam, Netherlands

11:28 AM

817 Ocular Hypertelorism Correction: Soft Tissue and Bone Results, Ocular Impairment, and Complications

Presenter: Cristiano Tonello (Brazil)

Author(s): Cristiano Tonello, Isabella Paula, Michele Brandão, Luciano Machado, Nivaldo Alonso

Institution(s): Hospital for Rehabilitation of Craniofacial Anomalies- University of São Paulo, Bauru, SP, Brazil; School of Medicine - University of São Paulo, Bauru, SP, Brazil

11:32 AM

280 Mechanism of Trans-sutural Distraction Osteogenesis via Macrophage-BMP2 Axis

Presenter: Peiyang Zhang (China)

Author(s): Peiyang Zhang, Yuan Liao, Hongsen Bi, Zhenmin Zhao

Institution(s): Peking University Third Hospital, Beijing, Beijing, China

11:36 AM

409 ANO5 p.I616F Mutation Drives Florid Cemento-Osseous Dysplasia by Disrupting Transmembrane Domain Structure and Calcium Signaling

Presenter: Lanlan Zhang (China)

Author(s): Lanlan Zhang, Wenxi Jin, Yunfa Qin, Weihong Wang

Institution(s): Department of Oral and Maxillofacial Surgery, Affiliated Stomatological Hospital of Kunming Medical University, Kunming, China; Yunnan Provincial Key Laboratory of Stomatology, Kunming, China

11:40 AM

181 Le Fort III Bipartition Osteotomy for Craniofacial Reconstruction in Cases of the Rare ALX1-Related Frontonasal Dysplasia

Presenter: Gökberk Cavusoglu (Turkey)

Author(s): Göknerk Çavuşoğlu, İbrahim Vargel, Gökhan Tunçbilek

Institution(s): Hacettepe University Faculty of Medicine, Ankara, Turkey

11:44 AM

773 Relationship Between Mandibular Morphology and Jaw-Closing Muscle Development In Robin Sequence Versus a Healthy Age-Matched Population

Presenter: Lara van de Lande (Netherlands)

Author(s): Lara van de Lande, Maxime Taverne, Ezgi Çetin, Alies van Berkum, Khalid El Ghouli, Cory Resnick, Eppo Wolvius, Roman Khonsari, Hugo Dutel

Institution(s): Department of Oral and Maxillofacial Surgery, Rotterdam, Zuid-Holland, Netherlands

11:48 AM

482 Posterolateral Orbital Wall – Sphenoid Wing Reconstruction in Orbital Neurofibromatosis Patients, Experiences of a Single Clinic

Presenter: Alaz Çirak (Turkey)

Author(s): Alaz Cirak, Mert Calis, Ilkay Isikay, Gokhan Tuncbilek

Institution(s): Hacettepe University Faculty of Medicine, Department of Plastic Reconstructive and Aesthetic Surgery, Ankara, Turkey

11:52 AM

130 a Study of Deprogramming Occlusal Pad for the Effect of Condyle of Patients with Temporomandibular Joint Disc Anterior Displacement Based on MRI

Presenter: Qing Yuan (China)

Author(s): Xin Nie, Qing Yuan, Huimin Long

Institution(s): Wenzhou Medical University, School & Hospital of Stomatological, Zhejiang, Wenzhou, China

11:56 AM

480 Craniofacial and Upper Limb Anomalies Following Prenatal Methotrexate Exposure: A Systematic Review

Presenter: Liara Ortiz (United States)

Author(s): Liara Ortiz, Jad Kfoury, Marielle Fis Loperena, Danny Chamaa, Aya Kraidli, Athena Zhang, Theodore Hyman, Gary Rogers, Albert Oh

Institution(s): Division of Plastic and Reconstructive Surgery, Children's National Hospital, Washington, DC, United States

Room: Exhibition

12:00 – 1:00 PM

Lunch Break in Exhibition

Room: Jing-An Grand Ballroom I

1:00 – 3:30 PM

FREE PAPER SESSION 7 - CRANIOFACIAL FEMINIZATION SURGERY AND FACIAL CONTOURING SURGERY

1:00 PM

176 The Effect of Early Hormone Therapy on Frontal Sinus Anatomy in Patients Presenting for Feminizing Facial Contouring Surgery

Presenter: Alexander Argame (United States)

Author(s): Alexander Andrew Argame, Iris Deng, James Lee

Institution(s): Kaiser Permanente Bernard J. Tyson School of Medicine, Pasadena, CA, United States

1:04 PM

33 Quantitative Analysis of Male versus Female Frontal Bone and Orbital Skeletal Morphology: Establishing Population Averages and Variability

Presenter: Meagan Wu (United States)

Author(s): Meagan Wu, Lauren Salinero, Ashley Chang, Jonathan Sussman, Benjamin Massenburg, Zachary Zapatero, Mariana Almeida, Derek Steinbacher, Jesse Taylor, Jordan Swanson, Scott Bartlett

Institution(s): Children's Hospital of Philadelphia, Philadelphia, PA, United States

1:08 PM

385 Combined Partial Coronoidectomy and Reduction Malarplasty in Patients with Elongated Coronoid Processes: Outcomes and Comparative Efficacy

Presenter: Chongxu Qiao (China)

Author(s): Chongxu Qiao, Guoping Wu

Institution(s): The Affiliated Friendship Plastic Surgery Hospital of Nanjing Medical University, Nanjing, Jiangsu province, China

1:12 PM

453 Beyond Bone Resection: Soft Tissue Stability of Drawer-Genioplasty Versus U-shaped Osteotomy – A Retrospective Cohort Study

Presenter: Yu Wang (China)

Author(s): Yu Wang

Institution(s): Plastic Surgery Hospital, Chinese Academy of Medical Sciences & Peking Union Medical College, Beijing, China

1:16 PM

721 Facial Feminization Surgery: Lessons Learned from First 2000 Cases and from Human and Artificial Intelligence Studies.

Presenter: James Bradley (United States)

Author(s): James Bradley, Kuldeep Singh, Jackie Albert, Joshua Choe, Meghan Miller

Institution(s): Northwell Health, New York, NY, United States

1:20 PM

49 Would Hyaluronic Acid-Induced Mental Bone Resorption be a Concern? A Prospective Controlled Cohort Study and an Updated Retrospective Cohort Study

Presenter: Xiaoshuang Guo (China)

Author(s): Xiaoshuang Guo, Xiaolei Jin

Institution(s): Chinese Academy of Medical Sciences, Beijing, Beijing, China

1:24 PM

115 Quantification of Similarity Between Planned Facial Feminization Surgery and Assigned Female at Birth Subjects

Presenter: Paula Flores-Perez (United States)

Author(s): Albert Rancu, Paula Flores-Perez, Samira Glaeser-Khan, Omar Allam, Martin Kauke-Navarro, Michael Alperovich

Institution(s): Yale University, New Haven, CT, United States

1:28 PM

525 Virtual Surgical Planning (VSP) in Craniofacial Feminization Surgery (FFS): An Analysis of Complications, Operative Metrics, and Learning Curve Effects

Presenter: Carrie Z. Morales (United States)

Author(s): Carrie Morales, Meagan Wu, Elizabeth Card, Sarah Barnett, Jacob Williams, Allison Hu, Philip Tolley, Gerard Mundinger, Jordan Swanson

Institution(s): Childrens Hospital of Philadelphia, Philadelphia, PA, United States

1:32 PM

627 Temporal Augmentation Effect of Reduction Malarplasty: Application of Our Bracing Technique with Zygomatic Arch Elevation

Presenter: Panxi Yu (China)

Author(s): panxi Yu

Institution(s): Plastic Surgery Hospital, Chinese Academy of Medical Sciences, Beijing, Beijing, China

1:36 PM

707 Augmentation of Midfacial Volume with Concurrent Bone Grafting in Orthognathic Surgery: A 3D Quantitative Study

Presenter: Zhulin Xue (China)

Author(s): Zhulin Xue, Zili Li, Xiaojing Liu

Institution(s): Peking University School and Hospital of Stomatology, Beijing, China

1:40 PM

767 Gender Affirming Facial Surgery Improves Patient Satisfaction and Relieves Gender Dysphoria: A GENDER-Q and Gender Preoccupation and Stability Questionnaire Study

Presenter: Helia Hosseini (United States)

Author(s): Helia Hosseini, Thayer Mukherjee, Paula Flores Perez, Melanie Vassallo, Jacqueline Ihnat, Kevin Hu, Neil Parikh, Omar Allam, Michael Alperovich

Institution(s): Yale University School of Medicine, New Haven, CT, United States

1:44 PM

818 Single vs. Multi-Piece Frontal Sinus Setback in Facial Feminization: Impact of Sinus Morphology and Virtual Surgical Planning

Presenter: Kirin Naidu (United States)

Author(s): Carrie Morales, Mariia Alibekova Long, Philip Toley, Scott Bartlett, Jesse Taylor, Jordan Swanson, Kirin Naidu

Institution(s): Children's Hospital of Philadelphia, Philadelphia, PA, United States

1:48 PM

52 Quantitative Analysis of Sexual Dimorphism in Three-Dimensional Facial Anthropometry in an Asian Population: Implications for Facial Feminisation Surgery

Presenter: Sarut Chaisrisawadisuk (Thailand)

Author(s): Sarut Chaisrisawadisuk, Orapa Pongsri, Nattamon Sampattanavorachai

Institution(s): Division of Plastic Surgery, Department of Surgery, Faculty of Medicine Siriraj Hospital, Bangkok, Thailand

1:52 PM

Discussion

2:01 PM

75 Reductive Genioplasty for Facial Feminization Surgery

Presenter: Eric Bao (United States)

Author(s): Eric Bao, Stephanie Rothberg, Emily Orsino, Ilexa Schechter, Nicholas Bastidas

Institution(s): Northwell Health, New Hyde Park, NY, United States

2:05 PM

121 Therapeutic Algorithm for Progressive Hemifacial Atrophy

Presenter: Xiaolei Jin (China)

Author(s): Xiaolei JIN

Institution(s): Chinese Academy of Medical Sciences & Plastic Surgery Hospital, Beijing, China

2:09 PM

179 Defining Outcomes in Facial Gender-Affirming Surgery: A Systematic Review to Inform Core Outcome Set Development

Presenter: Meghan Miller (United States)

Author(s): Meghan Miller, Derrick Lin, Kaavian Shariati, Samantha Rabinovich, Graysen Airth, Rebecca Canfield, Sabrina Rainsbury, Sarah Fadich, James Bradley, Justine Lee

Institution(s): UCLA, LA, CA, United States

2:13 PM

209 A New Approach to Bid Farewell to Zygomatic Bone Sagging and Nonunion - Rectangular Osteotomy for Zygomatic Bone Reduction

Presenter: He Jinlong (China)

Author(s): Jinlong He

Institution(s): Shanghai Time Plastic Surgery Hospital, Shanghai, Shanghai, China

2:17 PM

267 Impact of Preoperative Intramedullary Injection of Fibrin Sealant on Reducing Hemorrhage in Mandibular Osteotomy: A Prospective RCT Study

Presenter: Yichi Zhang (China)

Author(s): Zhang YiChi

Institution(s): Department of Plastic and Reconstructive Surgery, Shanghai 9th People's Hospital, School of Medicine, Shanghai Jiao Tong University, Shanghai, China

2:21 PM

337 Mandibular Angle Osteotomy via Intraoral Approach: A 15-year Experience from a Single Plastic Surgery Center in China

Presenter: Guoping Wu (China)

Author(s): GuopingW Wu, Zhiyang Xie, Chongxu Qiao, Shunchao Yan

Institution(s): The Affiliated Friendship Plastic Surgery Hospital of Nanjing Medical University, Nanjing, Jiangsu, China

2:25 PM

348 The Impact of Red Blood Cell Count and Hemoglobin Levels on Bone Remodeling in Mandibular Angle Osteotomy

Presenter: Miao Junyan (China)

Author(s): Miao Junyan, Xie Zhiyang, Wu Guoping

Institution(s): Department of Plastic Surgery, The Affiliated Friendship Plastic Surgery Hospital of Nanjing Medical University, Nanjing, Jiangsu province, China

2:29 PM

44 Improved Midfacial Symmetry with Soft Tissue Suspension in Fibrous Dysplasia Resection: A Geometric Morphometric Study

Presenter: Taoran Jiang (China)

Author(s): Taoran Jiang, Josef Yehong Zahong, Dejun Cao, Zheyuan Yu, Bin Fang

Institution(s): Shanghai Jiaotong University School of Medicine affiliated Shanghai 9th People's Hospital, Shanghai, China

2:33 PM

689 Craniofacial Feminization and Masculinization Surgery: Three-Year Single Surgeon Experience

Presenter: Gerhard Mundinger (United States)

Author(s): Gerhard S. Mundinger, M.D., M.B.A.

Institution(s): Crane Surgical Services, Austin, Texas, United States; Louisiana State University Health Sciences Center, New Orleans, LA, United States

2:37 PM

763 Impact of State Legislation on Regional Availability of Facial Feminization Surgeons in the United States of America

Presenter: David Febre (United States)

Author(s): David Febre, Jacqueline Ihnat, Paula Flores-Perez, Melanie Vassallo, Sacha Hauc, Omar Allam, Karen Bach, Michael Alperovich

Institution(s): Yale University School of Medicine, New Haven, CT, United States

2:41 PM

239 Short-Scar Deep Plane Facelift for Facial Contouring Related Laxity

Presenter: Xi Fu (China)

Author(s): Xi Fu

Institution(s): Plastic Surgery Hospital, Chinese Academy of Medical Sciences, Beijing, China

2:45 PM

358 Anti-Sagging Method in Reduction Malarplasty for Chinese Patients

Presenter: Jianjian Lu (China)

Author(s): Jianjian Lu, Li Teng

Institution(s): Plastic Surgery Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China

2:49 PM
Discussion

2:58 PM
516 Sex-Based Differences in Zygomatic Morphology: Implications for Facial Feminization Surgery
Presenter: Alvin Yu (United States)
Author(s): Allison Hu, Alvin Yu, Carrie Morales, Philip Tolley, Nicholas Han, Isabel Ryan, Jesse Taylor, Scott Bartlett, Jordan Swanson
Institution(s): Children's Hospital of Philadelphia, Philadelphia, PA, United States

3:02 PM
826 Safety Profile of Feminizing Facial Gender Affirming Surgery in Single vs. Multiple Stages
Presenter: Allison Seitz (United States)
Author(s): Allison Seitz, Aidan O'Shea, Emily Zona, Alisha Khosla, Daniel Cho, Catharine Garland
Institution(s): University of Wisconsin School of Medicine and Public Health, Madison, WI, United States

3:06 PM
128 Free Superficial Circumflex Iliac Artery/Superficial Inferior Epigastric Artery Adipofascial Flaps for Facial Reconstruction of Linear Scleroderma
Presenter: Jiangmiao Xie (China)
Author(s): Jiangmiao Xie, Wenchao Zhang, Elan Yang, Xiao Long, Ang Zeng
Institution(s): Peking Union Medical College Hospital, Beijing, Dongcheng District, China

3:10 PM
72 Exploring the Development and Future Directions of Facial Bone Contouring: A Bibliometric And Visualization Analysis from 2005 to 2025
Presenter: Zhiyang Xie (China)
Author(s): Zhiyang Xie, Li Teng
Institution(s): Plastic Surgery Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China

3:14 PM
207 U.S. Insurance Trends in Reduction Mammoplasty and Facial Feminization Surgery: A Comparative Analysis
Presenter: Iris Deng (United States)
Author(s): Iris Deng, Alexander Argame, Dominic Garza, Maxwell Probst, Michael Chu, James Lee
Institution(s): Kaiser Permanente Bernard J Tyson School of Medicine, Pasadena, CA, United States

3:18 PM
222 Design and Practice of Mandibular Angle Surgery Preserving the Physiological Curve of the Mandible
Presenter: Guo Jun (China)
Author(s): guo jun
Institution(s): The Affiliated Hospital of Yangzhou University, Yangzhou, China

3:22 PM
Discussion

Room: Jing-An Grand Ballroom II

1:00 – 3:30 PM

FREE PAPER SESSION 9A - MAXILLOFACIAL AND ORTHODONTIC ASPECTS OF CRANIOFACIAL SURGERY

1:00 PM

598 How Can the Digital Technology Enhance the Multidisciplinary Management of Cranio-Maxillofacial Deformities and Defects

Presenter: Steve GF Shen (China)

Author(s): Steve GF SHEN

Institution(s): Department of Oral & Craniomaxillofacial Surgery, Shanghai Ninth People Hospital, Shanghai Jiaotong University School of Medicine, Shanghai, China

1:04 PM

379 Experimental and Clinical Study on Non-Vascularized Fibular Flap for Mandibular Defect Reconstruction and Fibular Regeneration

Presenter: Munir Ahmad Osman (China)

Author(s): Munir Ahmad Osman

Institution(s): Affiliated Stomatology Hospital of Kunming Medical University, Kunming, Yunnan, China

1:08 PM

411 Long-Term Stability of Patient-Specific 3D-Printed Titanium Fixation Plates in LeFort I Osteotomy

Presenter: Helen Zhou (United States)

Author(s): Nicholas Han, Helen Zhou, Philip Tolley, Kaamya Varagur, Isabel Ryan, Allison Hu, Lawrence Levin, Joseph Napoli, Scott Bartlett, Jordan Swanson, Jesse Taylor

Institution(s): Children's Hospital of Philadelphia, Philadelphia, PA, United States

1:12 PM

672 Building Distant Metastasis Models for HNSCC Using Machine Learning Techniques

Presenter: Changping Ma (China)

Author(s): Changping Ma

Institution(s): Ningxia medical University, Yinchuan, Ningxia, China; General Hospital of Ningxia Medical University, Zhou Zhongwei Department of Oral and Maxillofacial Surgery, General Hospital of Ningxia Medical University, Yinchuan, Ningxia, 750004, China

1:16 PM

850 Assessing Dynamic Smile Outcomes in Pediatric Facial Palsy: An Image-Based Approach After Free Gracilis Muscle Transfer

Presenter: Laura Herrera-Gomez (United States)

Author(s): Melanie Bakovic, Valeria Mejia, Asli Pekcan, Raina Patel, Laura Herrera-Gomez, Alyssa Valenti, Meryem Guler, Jessica Lee, William Magee, Mark Urata, Jeffrey Hammoudeh

Institution(s): Children's Hospital Los Angeles, Los Angeles, CA, United States; The George Washington University School of Medicine and Health Sciences, Washington, DC, United States

1:20 PM

382 Clinical Study on the Effect of Le-Fort I Advancement of Maxilla on the Anatomic Morphology of Nasal Base in Patients with Skeletal Class III

Presenter: Xin Lv (China)

Author(s): xin lv, jing-yi li, qian zhang, cheng-wan xia, yu-xin wang, xu-dong yang

Institution(s): Orthognathic Surgery for Oral and Maxillofacial Trauma, Nanjing Stomatological Hospital, Affiliated Hospital of Medical School, Nanjing, China

1:24 PM

434 Comprehensive Treatment of Patients with Severe Parry-Romberg Syndrome: From the View of Orthodontist

Presenter: Lixia Mao (China)

Author(s): Lixia Mao, Ya Cui, Xiaoya He, Min Zhu

Institution(s): Department of Oral & Cranio-Maxillofacial Surgery, Shanghai Ninth People's Hospital, College of Stomatology, Shanghai Jiao Tong University School of Medicine, Shanghai, China

1:28 PM

507 Patient-Reported Psychosocial Outcomes in Beckwith-Wiedemann Syndrome

Presenter: Dominic Romeo (United States)

Author(s): Allison Hu, Andrew George, Abigail Casanova, Aravind Viswanathan, Nicholas Han, Isabel Ryan, Philip Tolley, Kirin Naidu, Eric Liao, Jennifer Kalish, Jesse Taylor, Dominic Romeo

Institution(s): Children's Hospital of Philadelphia, Philadelphia, PA, United States

1:32 PM

106 Impact of Different Lingual Split Patterns on Skeletal Relapse after Bilateral Sagittal Split Osteotomy in Patients with Skeletal Class III Malocclusion

Presenter: Qilong Wan (China)

Author(s): Qilong Wan, Chenxinzi Lin

Institution(s): State Key Laboratory of Oral & Maxillofacial Reconstruction and Regeneration, Key Laboratory of Oral Biomedicine Ministry of Education, Hubei Key Laboratory of Stomatology, School & Hospital of Stomatology, Wuhan University, Wuhan, China; Department of Orthognathic & Cleft Lip and Palate Plastic Surgery, School and Hospital of Stomatology, Wuhan University, Wuhan, China

1:36 PM

71 The Modified L-Shaped Long-Arm Osteotomy Malarplasty Influences Midfacial Soft Tissue Changes

Presenter: Huichuan Duan (China)

Author(s): Huichuan Duan, Jie Yuan, Min Wei

Institution(s): Department of Plastic and Reconstructive Surgery, Shanghai Ninth People's Hospital, Shanghai JiaoTong University School of Medicine, Shanghai, China

1:40 PM

183 Impact of Orthognathic Surgery on Emotional Expression and Smile Aesthetics in Chinese Patients as Measured by FaceReader: A Before and After Study

Presenter: Amanda Liu (Taiwan (China))

Author(s): Thanapoom Boonipat, Jason Lin, Sai Cherukuri, Zhi Yang Ng, Eugene Yu-Jen Chen, Chuan-Fong Yao, Amanda Shiqi Liu

Institution(s): Chang Gung Memorial Hospital, Taoyuan, Taiwan (China)

1:44 PM

308 Double Jaw Surgery for a Patient with Gnathodiaphyseal Dysplasia (GDD): A Case Report and Literature Review

Presenter: Mohamed Elfar (United States)

Author(s): Mohamed Elfar, Mary Fanning, Huay-Zong Law

Institution(s): International Craniofacial Institute, Dallas, TX, United States

1:48 PM

310 Utilization of Nasoalveolar Molding Stratified by Social Vulnerability Index, Race, and Urbanicity

Presenter: Sara Islam Morin (United States)

Author(s): Anna Grace Boydston, Samantha Morin, Sara Islam, Laxmi Dhungel, Laura Humphries, Ian Hoppe

Institution(s): University of Mississippi Medical Center, Jackson, MS, United States

1:52 PM

Discussion

2:01 PM

341 Digital Versus Conventional Surgical Guides in Bimaxillary Surgery: A Comparative Study of Precision, Efficiency, and Patient Outcomes

Presenter: Yuming Qu (China)

Author(s): Yuming Qu, Guoping Wu

Institution(s): The Affiliated Friendship Plastic Surgery Hospital of Nanjing Medical University, Nanjing, Jiangsu, China

2:05 PM

602 Effects of Intraoral Endoscopic Navigation-Assisted Condylectomy Combined with Orthognathic Surgery for the Treatment of Condylar Osteochondroma

Presenter: Keh Li (China)

Author(s): Kehan Li, Jingshuang Yu, Xudong Wang

Institution(s): Department of Oral and Craniomaxillofacial Surgery, Shanghai Ninth People's Hospital & Shanghai Key Laboratory of Stomatology, Shanghai, China

2:09 PM

186 Development and Evaluation of a Cooperative Robotic System for the Bilateral Sagittal Split Osteotomy Using an In-Plane Motion Constraint

Presenter: Pasha Shakoori (United States)

Author(s): Katherine Zhu, Jesse Haworth, Manish Sahu, Jacob Hammond, Hisashi Ishida, Adnan Munawar, Edgar Soto, Pasha Shakoori, Robin Yang, Russell Taylor

Institution(s): Johns Hopkins University School of Medicine, Baltimore, MD, United States

2:13 PM

322 Where to Place Maxilla Sagittally in Orthognathic Surgical Design of Skeletal Class III Malocclusion?

Presenter: Jingyi Li (China)

Author(s): Jingyi Li, Anshengding Abulizi, Shanben Jiang, Xin Lv, Qian Zhang, Yuxin Wang

Institution(s): Department of Oral and Maxillofacial Trauma Orthognathic Plastic Surgery, Nanjing Stomatological Hospital, Affiliated Hospital of Medical School, Research Institute of Stomatology, Nanjing University, Nanjing, Jiangsu, China

2:17 PM

383 Two-Stage Mandibular Symmetry Improvement after BSSRO: A CBCT Analysis of 60 Consecutive Patients with Asymmetric Prognathism

Presenter: Shunchao Yan (China)

Author(s): Shunchao Yan, Guoping Wu

Institution(s): The Affiliated Friendship Plastic Surgery Hospital of Nanjing Medical University, Nanjing, Jiangsu, China

2:21 PM

436 Modified Paranasal Bone Grafting Reduced Vertical Maxillary Recurrence after Le Fort I Osteotomy

Presenter: Lei Zhang (China)

Author(s): Lei Zhang

Institution(s): Department of Oral and Craniomaxillofacial Surgery, Shanghai Ninth People's Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, Shanghai, China

2:25 PM

441 Comprehensive Orthognathic Facialplasty (COFP): A Holistic Strategy for Achieving Balanced Facial Aesthetics and Function

Presenter: Takahiro Yamamoto (Japan)

Author(s): Takahiro Yamamoto

Institution(s): Contour Clinic Tokyo, Tokyo, Japan

2:29 PM

529 Single-Stage Mandibular Curved Osteotomy on Affected Side Combined with Bilateral Outer Cortex Grinding for Correction of Facial Asymmetry: Indications and Outcomes

Presenter: Guodong Song (China)

Author(s): Guodong Song

Institution(s): Plastic surgery hospital, CAMS&PUMC, Beijing, China

2:33 PM

19 The Three-Body Problem in Bimaxillary Orthognathic Relapse: A Comprehensive Analysis of Transformation Patterns in Segments and Osteosynthesis Using A Novel Registration Strategy

Presenter: Zhewei Chen (China)

Author(s): Zhewei Chen, Mats Scheurer, Frederic Bouffleur, Richard Van Zoll, Jennifer Fuchs, Jürgen Hoffmann, Reinald Kühle

Institution(s): Plastic Surgery Hospital, Beijing, China

2:37 PM

136 A 6 Year Multicenter NSQIP Study of Perioperative Complications in Pediatric Patients Undergoing Orthognathic Surgery

Presenter: Nicole Kurnik (United States)

Author(s): Nicole Kurnik, Jacob Koster, Thomas Sitzman, Davinder Singh

Institution(s): Phoenix Childrens Hospital, Phoenix, AZ, United States; The University of Arizona College of Medicine, Phoenix, AZ, United States; Mayo Clinic Arizona, Phoenix, AZ, United States

2:41 PM

Discussion

2:54 PM

625 Bangkok Earthquake, Double-Jaw Orthognathic Surgery during the Devastating Situation

Presenter: Sarayuth Dumrongwongsiri (Thailand)

Author(s): Sarayuth Dumrongwongsiri

Institution(s): Mahidol University, Bangkok, Thailand

2:58 PM

107 Segmental Two-Jaw Surgery with Anterior Osteotomy: A Strategic Approach for Functional Correction and Facial Aesthetic Refinement

Presenter: Heung Sik Park (China)

Author(s): Heung Sik PARK

Institution(s): Seouleaguer BeauCare Hospital, Shanghai, China

3:02 PM

159 Skeletal Stability of Occlusal Plane Rotational Orthognathic Surgery: A Cephalometric Analysis

Presenter: Youngchul Kim (Korea)

Author(s): Youngchul KIM, Jong Woo CHOI

Institution(s): Asan Medical Center, Seoul, Korea, Republic of

3:06 PM

359 Building and Sustaining a Process for Systematic Collection of Occlusal Photos and Dental Health Evaluations in a Cleft/Craniofacial Orthodontic Practice

Presenter: Patricia Beals (United States)

Author(s): Patricia Beals, Thomas Sitzman

Institution(s): Phoenix Childrens Center for Cleft and Craniofacial Care, Phoenix, AZ, United States

3:10 PM

384 Comparative Efficacy of Two Treatment Strategies for Skeletal Class II Malocclusion with Irreducible Disc Displacement: Minimally Invasive Disc Surgery with Camouflage Orthodontics vs. Conventional Orthognathic-Orthodontic Therapy

Presenter: Yingyu Yi (China)

Author(s): zhi yang, yingyu yi

Institution(s): Shanghai 9th Hospital, Shanghai, China

3:14 PM

59 The Versatility of Maxillary π -shaped Osteotomy in the Correction of Dentomaxillofacial Deformities

Presenter: Wang Tao (China)

Author(s): Tao Wang, Yanwu Liu, Wenyang Li, Xiang Gao, Jiang Deng, Chongqing Yu

Institution(s): The Affiliated Stomatological Hospital of Chongqing Medical University, Chongqing, Chongqing, China; Liu Dalie DoctorTeam, Guangzhou, Guangdong, China; Hanfei Hospital of Plastic and Cosmetic Surgery, Guangzhou, Guangdong, China

3:18 PM

Discussion

Room: Exhibition

3:30 – 4:00 PM

Coffee Break in Exhibition

Room: Jing-An Grand Ballroom I

4:00 – 6:00 PM

FREE PAPER SESSION 8 - CRANIOFACIAL BASIC SCIENCE

4:00 PM

92 Mechanism of HDAC4-Mediated Maxillary Osteoblast Proliferation through Regulation of PCNA

Presenter: Shuai Wang (China)

Author(s): Shuai Wang, Xiaofeng Wang, Xudong Wang

Institution(s): Department of Oral and Craniomaxillofacial Surgery, Shanghai, China

4:04 PM

421 Orbital and Cranial Growth Trends From Infancy Through Adolescence in 1119 Computed Tomography Scans

Presenter: Elizabeth Card (United States)

Author(s): Elizabeth Card, Nicholas Han, Brandi Golden, Philip Tolley, Isabel Ryan, Allison Hu, Jordan Swanson, Jesse Taylor, Scott Bartlett

Institution(s): Children's Hospital of Philadelphia, Philadelphia, PA, United States

4:08 PM

533 Epas1 Deficiency Exacerbates Hypoxia-Induced Craniofacial Maldevelopment in Zebrafish: Insights into the Genetic Basis of Hemifacial Microsomia

Presenter: Zhifeng Li (China)

Author(s): Zhifeng Li

Institution(s): Plastic Surgery Hospital, Chinese Academy of Medical Sciences, Peking Union Medical College, Beijing, Beijing, China

4:12 PM

839 Spatial and Temporal Control of Bone Regeneration Using Decellularized Amniotic Membrane with BMP2-Encapsulated Bone-based Nanoparticles: An Alternative Strategy for Orofacial Cleft Composite Repair

Presenter: Kaleb Keener (United States)

Author(s): Kaleb Keener, Austin Stellpflug, Bo Wang, Kant Lin, Sameer Shakir

Institution(s): Medical College of Wisconsin, Wauwatosa, WI, United States

4:16 PM

73 The Combination of Hydroxyapatite-Based Scaffold and Polydeoxyribonucleotide (PDRN) Promotes Bone Regeneration in Rat Calvaria Critical-Size Defect Model

Presenter: Maierdang Jiang Wufuer (Korea)

Author(s): Maierdang Jiang Wufuer, Byung Jun Kim, Sungmi Jeon, Jee Hyeok Chung, Sukwha Kim

Institution(s): Seoul National University Hospital, Seoul, Korea, Republic of

4:20 PM

155 IGFBP2/AMPK Signaling Mediates Osteogenic Differentiation of Cranial Suture Mesenchymal Stem Cells

Presenter: Liangliang Kong (China)

Author(s): Liangliang Kong, Sheng Chen, Yi Ji, Weimin Shen

Institution(s): Children's Hospital of Nanjing Medical University, Nanjing, Jiangsu, China

4:24 PM

269 Mechanism of HDAC4 in Inhibiting Osteoporosis and Promoting Skull Defect Regeneration

Presenter: Xiaofeng Wang (China)

Author(s): Xiaofeng wang, Shuai Wang, Xudong Wang

Institution(s): Department of Oral and Craniomaxillofacial Surgery, Shanghai Ninth People's Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, Shanghai, China

4:28 PM

494 Predictive Modeling of 3D Mandibular Growth – A Statistical Shape Analysis and Validation Study

Presenter: Khalid El Ghouli (Netherlands)

Author(s): Khalid El Ghouli, Keghart Krikour, Bram P.P. Roumen, Tareq Abdel-Alim, Gwen G.M. van Heesch, Stephen S.T.H. Tjoa, Koen F.M. Joosten, Bas Pullens, Roman H. Khonsari, Cory M. Resnick, Eppo B. Wolvius

Institution(s): Erasmus MC, Rotterdam, Netherlands

4:32 PM

66 Temperature-Sensitive Mesoporous Polydopamine Hydrogel Loaded with Core Oral Probiotics for Antibacterial and Tissue Repair Treatment of Peri-Implantitis

Presenter: Di Yan (China)

Author(s): Di Yan, Ze Hui Wang

Institution(s): General Hospital of Ningxia Medical University, Yinchuan, NingXia, China

4:36 PM

47 The Surgical Burden of Neurocristopathies: Prevalence, Craniofacial Involvement, and Plastic Surgery Needs

Presenter: Bryan Torres (United States)

Author(s): Bryan Torres, Caitlin Foster, Shaun Abrams, Laura Kerosuo

Institution(s): Neural Crest Development and Disease Unit, National Institute of Dental and Craniofacial Research, National Institute of Health, Bethesda, MD, United States; Tulane University School of Medicine, New Orleans, LA, United States

4:40 PM

245 Characterizing Normal Craniofacial Growth to 18 Years of Age

Presenter: Talitha Asmaria (United Kingdom)

Author(s): Talitha Asmaria, Ce Liang, Maxime Taverne, Nicolas Kogane, Philip Cox, David Johnson, SUnited Statesna Dominguez-Gonzalez, Roman Khonsari, Mehran Moazen

Institution(s): Department of Mechanical Engineering, University College London, London, United Kingdom; Centre for Biomedical Research, National Research and Innovation Agency (BRIN-Indonesia), Jakarta, Indonesia

4:44 PM

Discussion

4:58 PM

695 NELL-1–Enhanced In Vivo Bioreactors Harness Iliac Marrow-Derived Signals for Bone Regeneration: A Novel Approach for Craniofacial Reconstruction.

Presenter: Illescas Ralda Monica Maria (Taiwan (China))

Author(s): Monica Maria Illescas Ralda, Han-Tsung Liao

Institution(s): Chang Gung University, Taoyuan, Taoyuan, Taiwan (China)

5:02 PM

718 Quantifying the Role of Synchronoseres in Craniofacial Growth: Insights from an FGFR3 Mouse Model

Presenter: Nicolas Kogane (France)

Author(s): Nicolas Kogane, Émilie Dambroise, Sébastien Laporte, Martin Biosse-Duplan, Maxime Taverne, Mehran Moazen, Roman Hossein Khonsari

Institution(s): Laboratory of Genetics of Developmental Disorders, Imagine Institute, Université Paris Cité INSERM-UMR1163, Paris, France; ENSAM, Paris, France

5:06 PM

846 Craniofacial Reconstruction Using Bone-Based Nanoparticles; A Promising Translational Technique

Presenter: Sameer Shakir (United States)

Author(s): Austin Stellpflug, Kaleb Keener, Bo Wang, Kant Lin, Sameer Shakir

Institution(s): Medical College of Wisconsin, Wauwatosa, WI, United States

5:10 PM

192 Chronic Mouth Breathing Induces Multi-Organ Transcriptomic Dysregulation in Growing Rats: A Mechanistic Link to Neurodegeneration and Circadian Disruption

Presenter: Xiaoling Wang (China)

Author(s): Xi'ao'ling WANG, Sitong LI, Xudong WANG, Min ZHU

Institution(s): Department of Oral and Cranio-Maxillofacial Surgery, Shanghai Ninth People's Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, China; College of Stomatology, Shanghai Jiao Tong University, Shanghai, China; National Center for Stomatology, National Clinical Research Center for Oral Diseases, Shanghai Key Laboratory of Stomatology, Shanghai, China

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238 Mechanistic Study on M2exo-Biomimetic DNA Tetrahedron-Delivered Melatonin for Modulating Inflammatory Microenvironment to Promote Senescent Jawbone Regeneration

Presenter: Shebin Hong (China)

Author(s): Shebin Hong, Weihong Xi, Xudong Wang

Institution(s): Jiangxi Province Key Laboratory of Oral Biomedicine, The Affiliated Stomatological Hospital, Jiangxi Medical College, Jiangxi Province Clinical Research Center for Oral Diseases, Nanchang University, Nanchang, China, Nanchang, China

5:18 PM

242 Relating Postnatal Craniofacial Growth in Mouse, Pig and Human

Presenter: Ce Liang (United Kingdom)

Author(s): Ce Liang, Antonio Profico, Erwin Pauws, Roman Hossein Khonsari, Zi-Jun Liu, Katherine L. Rafferty, SUnited Statesn W. Herring, Paul O'Higgins, Mehran Moazen

Institution(s): Department of Mechanical Engineering, University College London, London, United Kingdom

5:22 PM

323 Spatiotemporal Multi-Omics Atlas of Temporomandibular Joint Development in Mouse Embryos

Presenter: Ziqian Wang (China)

Author(s): Ziqian Wang, Haohan Li, Xianni Yang, Han Fang, Yanjing Zhan, Jingwen Qiu, ruiye Bi, Songsong Zhu

Institution(s): State Key Laboratory of Oral Diseases & National Center for Stomatology & National Clinical Research Center for Oral Diseases, Department of Orthognathic and TMJ Surgery; West China Hospital of Stomatology; Sichuan University, Chengdu, Sichuan, China

5:26 PM

459 Assessment of Orbital Growth Parameters in a Healthy Caucasian Paediatric Population Based on CT-Scan Measurements

Presenter: Anne Morice Aertgeerts (France)

Author(s): Mathilde Pech de Laclause, Boris LAURE, Anne Morice

Institution(s): CHRU de Tours, Tours, Loire Valley, France

5:30 PM

606 Distraction Force Promotes the Osteogenic Differentiation of Gli1+ Cells in Facial Sutures via Primary Cilia-Mediated Hedgehog Signaling Pathway

Presenter: Mengying Jin (China)

Author(s): Mengying Jin, Yang An, Zhenmin Zhao

Institution(s): Peking University Third Hospital, Beijing, China

5:34 PM

Discussion

Room: Jing-An Grand Ballroom II

4:00 – 4:30 PM

FREE PAPER SESSION 9B - MAXILLOFACIAL AND ORTHODONTIC ASPECTS OF CRANIOFACIAL SURGERY

4:00 PM

700 An Innovative Technique in Symmetrical and Aesthetical Optimization for Severe Mandibular Asymmetrical Deformity secondary to Condylar Osteochondroma: Side-Switch Autogenous Inferior Marginal Bone Graft.

Presenter: Junzi YingWang (China)

Author(s): Junzi YingWang, Jingshuang Yu, Xudong Wang

Institution(s): Department of Oral and Craniomaxillofacial Surgery, Shanghai Ninth People's Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, China; Orthodontics Center, Shanghai Taikang Bybo Dental Hospital, Shanghai, China

4:04 PM

727 Orthodontic Sequence Treatment for Hemifacial Microsomia before Adulthood

Presenter: Min Zhu (China)

Author(s): Min Zhu, Xudong Wang

Institution(s): Department of Oral Craniomaxillofacial Surgery, Shanghai Ninth people's Hospital, Medical School, Shanghai Jiaotong University, Shanghai, Shanghai, China

4:08 PM

768 Quantification of Skeletal Paranasal Asymmetry in Patients with Unilateral Cleft Lip and Palate

Presenter: Daniel Richmond (United States)

Author(s): Daniel Richmond, Leya Groysman, Matteo Laspro, Roberto Flores, David Staffenberg, Pradip Shetye

Institution(s): Hansjörg Wyss Department of Plastic Surgery, NYU Langone Health, New York, NY, United States

4:12 PM

810 Quality of Life in Patients with Craniofacial Malformations After Reconstruction with Customized Temporomandibular Joint Prostheses

Presenter: Marta Redondo (Spain)

Author(s): Marta Redondo, Víctor Zafra, Ignacio Zubillaga, Marina Vazquez

Institution(s): 12 de Octubre University Hospital, Madrid, Spain

4:16 PM

831 Application of Aesthetic-Oriented Treatment Concepts in Orthognathic Surgery for Correction of Skeletal Maxillary Protrusion

Presenter: Liufang Qian (China)

Author(s): Shuguang Liu, Liufang Qian, Huixi Zhou, Jingpeng Liu, Xinwei Zuo, Hongjin Chen

Institution(s): Stomatology Hospital of Southern Medical University, Guangzhou, China

4:20 PM

Discussion

Room: Jing-An Grand Ballroom II

4:30 – 6:00 PM

FREE PAPER SESSION 1C - NON-SYNDROMIC CRANIOSYNOSTOSIS

4:30 PM

515 Posterior Cranial Vault Remodeling vs Spring-Mediated Remodeling for Sagittal Synostosis: An Outcome Analysis of 377 Patients

Presenter: Aaron Zhao (United States)

Author(s): Allison Hu, Brandi Golden, Philip Tolley, Nicholas Han, Isabel Ryan, Scott Bartlett, Jesse Taylor, Jordan Swanson, Aaron Zhao

Institution(s): Children's Hospital of Philadelphia, Philadelphia, PA, United States

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519 The Evolution of Unicoronal Synostosis Correction: Seven-Year Aesthetics of Fronto-Orbital Distraction Versus Traditional Advancement

Presenter: Dillan Villavisanis (United States)

Author(s): Meagan Wu, Allison Hu, Dillan Villavisanis, Isabel Ryan, Nicholas Han, Philip Tolley, Jordan Swanson, Scott Bartlett, Jesse Taylor

Institution(s): Children's Hospital of Philadelphia, Philadelphia, PA, United States

4:38 PM

524 Correlation Between a Traffic Light System for Clinical Assessment of Scaphocephaly Severity Compared to a Computerised Morphometric Model

Presenter: Martin Van Carlen (United Kingdom)

Author(s): Martin Van Carlen, Wuyang Shui, Luci Russell, Jane England, Anusha Henedige, Ajay Sinha, David Richardson, Chris Parks, Christian Duncan

Institution(s): Alder Hey Childrens Hospital, Liverpool, United Kingdom

4:42 PM

530 A Novel Endoscopic Modified H-Plasty for the Treatment of Sagittal Craniosynostosis

Presenter: Jessica Blum (United States)

Author(s): Jessica Blum, Aidan O'Shea, Emily Zona, Bermans Iskandar, Catharine Garland, Daniel Cho

Institution(s): University of Wisconsin Madison, Madison, WI, United States

4:46 PM

590 Spring-Assisted Correction of Unicoronal Craniosynostosis: Technical Description and Early Experience

Presenter: Sarah Versnel (Netherlands)

Author(s): Sarah Versnel, Marie-Lise van Veelen, Mieke Pleumeekers, Spoor Jochem, Irene Mathijssen

Institution(s): ErasmusMC, Rotterdam, Netherlands

4:50 PM

681 Combined Sagittal and Unicoronal Craniosynostosis: Evolving Surgical Strategy at Necker Hospital

Presenter: Elle Vandervord (France)

Author(s): Elle Vandervord, Giovanna Paternoster, Roman Khonsari, Eric Arnaud

Institution(s): Hôpital Necker, Paris, France

4:54 PM

731 Neurological Outcomes in Patients with Unilateral Coronal Craniosynostosis: A Matched Cohort Study

Presenter: Victoria Kong (United States)

Author(s): Yizhuo Shen, Samira Glaeser-Khan, Chi Ya Yang, Omar Allam, Paula Flores Perez, Melanie Vassallo, Andrew Salib, Victoria Kong, Jake Moscarelli, David Colen, Michael Alperovich

Institution(s): Yale School of Medicine, New Haven, CT, United States

4:58 PM

752 Shape and Cranial Volume Maintenance after Fronto-Orbital Advancement for Metopic Synostosis

Presenter: Craig Birgfeld (United States)

Author(s): Dorsa Toghani, Ezgi Mercan, Craig Birgfeld, Amy Lee, Richard Ellenbogen, Richard Hopper, Srinivas SUnited Statesrla

Institution(s): University of Washington, Seattle, WA, United States

5:02 PM

26 Endoscopic Spring Mediated Cranioplasty for Management of Coronal Craniosynostosis

Presenter: Robin Wu (United States)

Author(s): Robin Wu, Ruth Tevlin, Elizabeth Cox, Charlotte Berry, Robert Menard

Institution(s): Stanford University, Stanford, California, United States

5:06 PM

769 Co-Incidence and Morphology of Deformational Plagiocephaly with Metopic Craniosynostosis

Presenter: Jun Kwon (United States)

Author(s): Hyok Jun Kwon, Dorsa Toghani, Ezgi Mercan, Amy Lee, Richard Ellenbogen, Richard Hopper, Sirinivas SUnited Statesrla, Craig Birgfeld

Institution(s): Division of Plastic Surgery, Department of Surgery, Seattle, WA, United States; Craniofacial Center, Seattle Children's Hospital, Seattle, WA, United States

5:10 PM

29 Assessing Medical Student Attentional Bias in Unicoronal Craniosynostosis: An Eye-Tracking Study

Presenter: Ernest Chan (Canada)

Author(s): Ernest Chan, Paul Hong, Michael Bezuhly

Institution(s): Faculty of Medicine, Dalhousie University, Halifax, NS, Canada

5:14 PM

218 A Novel Phenotype of Calvarial Thickening and Increased Rates of Premature Calvarial Suture Closure in Children with Chronic Lung Disease

Presenter: Zack Zapatero (United States)

Author(s): Zachary Zapatero, Huayan Zhang, Alireza Zandifar, Kathleen Nilan, Andrew Calabria, Jordan Swanson, Arastoo Vossough, Jesse Taylor, Shih-Shan Lang, Scott Bartlett

Institution(s): Division of Plastic and Reconstructive Surgery, The Children's Hospital of Philadelphia, Philadelphia, PA, United States

5:18 PM

311 Equivalent Neurodevelopmental Outcomes in Sagittal Craniosynostosis (SCS) Patients Treated with Endoscopic Strip-Craniectomy (ESC) versus Open Calvarial-Vault Remodeling (CVR).

Presenter: Maria Valentina Suarez-Nieto (United States)

Author(s): Robin Wu, María Valentina Suarez-Nieto, Aura Sofia Eguizabal, Payton Grande, Kevin Yang, Cormac Maher, Laura Prolo, Kelly Mahaney, Rohit Khosla, H. Peter Lorenz

Institution(s): Stanford University, Palo Alto, CA, United States

5:22 PM

477 Decreased Incidence of Intraoperative Blood Transfusion in Endoscopic Strip Craniectomy Performed Using a Diamond Burr Drill Bit

Presenter: Catey Garland (United States)

Author(s): Catharine Garland, Aiden O'Shea, Keenan Fine, Emily Zona, Jessica Blum, Joyce Koueik, Bermans Iskandar, Daniel Cho

Institution(s): University of Wisconsin, Madison, WI, United States

5:26 PM

502 Incidence of Persistent Metopic Suture in Thailand

Presenter: Nattanit Pongjantaradej (Thailand)

Author(s): Sarut Chaisrisawdisuk, Nattanit Pongjantaradej, Kuljira Matwatthanakit, Chanon Ngamsombat, Sirilug Charernsook

Institution(s): Siriraj hospital, Bangkok, Thailand

5:30 PM

537 The Incidence and Risk Factors of Secondary Craniosynostosis

Presenter: Songchunyuan Zhang (China)

Author(s): Songchunyuan Zhang, Chenbin Dong

Institution(s): Children's Hospital of Fudan university, Shanghai, China

5:34 PM

591 External Spring Distraction Osteogenesis with Absorbable Plates as External Spring Fixation Points was Performed Under the Guidance of Endoscopy to Treat Premature Closure of Sagittal Cranial Sutures in Infants and Young Children

Presenter: weimin shen (China)

Author(s): Weimin Shen

Institution(s): Department of Burn And Plastic Surgery, Children's Hospital of Nanjing Medical University, Nanjing, China

5:38 PM

Discussion

Thursday, October 30, 2026

Room: Jing-An Grand Ballroom III
Poster Session

Room: Jing-An Grand Ballroom I

8:30 – 10:30 AM

FREE PAPER SESSION 10A - CRANIO-MAXILLOFACIAL TRAUMA

8:30 AM

564 Disparities in Facial Trauma: A Systematic Review and Retrospective Analysis

Presenter: Shelby Nathan (United States)

Author(s): Shelby Nathan, Rebeka Dejenie, Maeson Zietowski, Marlynn Lopez, Kanad Ghosh, Russell Reid

Institution(s): University of Chicago, Chicago, IL, United States

8:38 AM

299 The Repair of Orbital Blowout Fractures with Endoscopy-Assisted – My Experience

Presenter: Xinhai Ye (China)

Author(s): Xinhai Ye, Jincao Yu

Institution(s): Eye & ENT Hospital of Fudan University, Shanghai, Shanghai, China

8:42 AM

489 Preliminary Application of Mixed Reality-Based Surgical Navigation System in Craniomaxillofacial Trauma

Presenter: Jinyang Wu (China)

Author(s): Jinyang Wu, Shilei Zhang

Institution(s): Department of Oral and Cranio-maxillofacial Surgery, Shanghai Ninth People's Hospital, Shanghai Jiao Tong University School of Medicine; College of Stomatology, Shanghai Jiao Tong University; National Center for Stomatology; National Clinical Research Center for Oral Diseases; Shanghai Key Laboratory of Stomatology, Shanghai, China

8:46 AM

526 A Modified Method to Reduce Zygomatic Arch Fracture Precisely with Preauricular Sideburn Incision

Presenter: Jianfei Zhang (China)

Author(s): Jianfei Zhang

Institution(s): Department of Oral and Cranio-maxillofacial Surgery, Ninth People's Hospital, Shanghai Jiao Tong University School of Medicine, National Clinical Research Center for Oral Diseases, Shanghai, China

8:50 AM

636 Comparison of the Orbital Volume Changes in 2- vs. 3-point Fixation of Isolated Unilateral Zygomaticomaxillary Complex Fractures

Presenter: Nur Erek (Turkey)

Author(s): Nur EREK, Umran ESEN, Guven Ozan KAPLAN, Murat KARA, Ayca AKGOZ KARAOSMANOGLU, Mert CALIS

Institution(s): Hacettepe University, Ankara, Turkey

8:54 AM

178 Optic Nerve Canal Decompression for Optic Nerve Lesion Following Craniofacial Injury: The Significant of Optic Nerve Sheath Divided

Presenter: Zhilin Guo (China)

Author(s): Zhilin Guo

Institution(s): The 9th People's Hospital of Shanghai, Shanghai, China

8:58 AM

289 Comparative Analysis of Closed Percutaneous Screw Reduction and Open Reduction with Internal Fixation for Frontal Sinus Fractures

Presenter: Guven Ozan Kaplan (Turkey)

Author(s): Guven Ozan Kaplan, Kutluhan Yusuf Kucuk, Murat Kara, Mert Calis, Gokhan Tuncbilek

Institution(s): Hacettepe University, Ankara, Turkey

9:02 AM

Discussion

9:14 AM

51 Development and Evaluation of Novel Interlocking Three-Dimensional Plate 2.0 System for Managing Mandibular Fractures

Presenter: Prasetyanugraheni Kreshanti (Indonesia)

Author(s): Prasetyanugraheni Kreshanti, Deni Noviana, Bambang Pontjo Priosoeryanto, Aria Kekalih, Ahmad Jabir Rahyussalim, Sugeng Supriadi, Mendy Juniaty Hatibie, Chaula Luthfia Sukasah

Institution(s): Division of Plastic Reconstructive and Aesthetic Surgery, Department of Surgery, Faculty of Medicine, Universitas Indonesia, Jakarta, Indonesia

9:18 AM

265 Indications for Emergency Surgery in Pediatric Orbital Floor Fractures: Orbital Content Entrapment and Computed Tomography Findings

Presenter: Chunyan Zhao (Japan)

Author(s): chunyan zhao, Masanobu Yamashita, Akiko Yamashita, Miyuki Kishibe, Kenichi Shimada

Institution(s): JA Toyama Kouseiren Takaoka Hospital, Takaoka, Toyama, Japan; Kanazawa Medical University, Kanazawa, Ishikawa, Japan

9:22 AM

331 Multidisciplinary Team (MDT) Approach in Aesthetic-Functional Reconstruction of Craniomaxillofacial Emergency Traumatic Fractures

Presenter: Hongsen Bi (China)

Author(s): Hongsen Bi, Chen Zhang, Peiyang Zhang, Baicheng Wang

Institution(s): Department of Plastic Surgery, Peking University Third Hospital, Beijing, China

9:26 AM

398 Evaluation of Single Monocortical Miniplate Fixation in the Treatment of Mandibular Angle Fractures

Presenter: Yusuf Irmak (Turkey)

Author(s): YUSUF IRMAK, GÜVEN OZAN KAPLAN, HİLAL GÜNEŞ, AYÇA AKGÖZ

KARAOŞMANOĞLU, AHMET YASİR ALTUNBULAK, ERSOY KONAŞ, MÜNİP GÖKHAN TUNÇBİLEK, MERT ÇALIŞ

Institution(s): Hacettepe University Faculty of Medicine Plastic Reconstructive and Aesthetic Surgery Department, Ankara, Turkey

9:30 AM

760 Breed-Specific Risk Factors and Clinical Outcomes in Pediatric Head and Neck Dog Bite Injuries: A 14-year Retrospective Analysis

Presenter: Danny Chamaa (United States)

Author(s): Liara S. Ortiz-Ocasio, Danny Chamaa, Sumayyah Javed, David Febre-Alemañy, Athena Zhang, Theodore Hyman, Md Sohel Rana, Esperanza Mantilla-Rivas, Albert Oh, Gary Rogers

Institution(s): Division of Plastic and Reconstructive Surgery, Children's National Hospital, Washington, DC, United States

9:34 AM

62 Referral Gaps and Risk Factors for Long-Term Headaches in Patients with Craniofacial Fractures

Presenter: Sashank Reddy (United States)

Author(s): Michael Grant, Bashar Hassan, Grishma Patel, Eric Resnick, Seray Er, Jeison De Guzman, Apanjit Sahi, Nawal Shams, Sashank Reddy

Institution(s): R Adams Cowley Shock Trauma Center, Baltimore, MD, United States

9:38 AM

279 3D-Printed PCL/ β -TCP Scaffolds versus Bio-Oss in Maxillofacial Reconstruction: A Prospective Randomized Controlled Trial

Presenter: Xianxian Yang (China)

Author(s): Xianxian Yang, Li Lin, Wentian Xiao, Haisong Xu, Gang Chai

Institution(s): Department of Plastic and Reconstructive Surgery, Shanghai 9th People's Hospital, School of Medicine, Shanghai Jiao Tong University, Shanghai, China

9:42 AM

233 Conservative Management of Mandibular Fractures in Pediatric Patients during the Growing Phase with Splint Fiber and Ligature Arch Wire

Presenter: Lifeng Li (China)

Author(s): Lifeng Li, Xiaoyi Hu

Institution(s): Department of Cranio-Maxillofacial Trauma and Plastic Surgery, College of Stomatology, Xi'an Jiaotong University, Xi'an, Shaanxi, China

9:46 AM

Discussion

9:58 AM

325 Titanium mesh vs. Poly-Caprolactone/Tricalcium Phosphate (PCL/TCP) Implant in Orbital Fracture Reconstruction: Long Term Follow-up

Presenter: Thiam Chye Lim (Singapore)

Author(s): Thiam Chye Lim

Institution(s): National University of Singapore, Singapore, Singapore, Singapore; Division of Plastic, Reconstructive & Aesthetic Surgery, National University Health Systems, Singapore

10:02 AM

427 A Computed Tomography Analysis of Factors Impacting Inferior Rectus Muscle Rounding in Isolated Fractures of the Orbital Floor

Presenter: Shawn Dodd (Canada)

Author(s): Shawn Dodd, Ralph Hsaio, Alexander Platt, Emilie Robertson, Curtis Budden, Gorman Louie

Institution(s): University of Alberta, Edmonton, Alberta, Canada

10:06 AM

430 Single-Cell Analysis Reveals Fibroblast-Derived Migrasomes as CXCL12 Carriers Promoting Skin Wound Repair

Presenter: Haoyu Zhou (China)

Author(s): Haoyu Zhou, Guoliang Sa, Xuwen Yang

Institution(s): Wuhan University, Wuhan, China

10:10 AM

291 Retrospective Study of Surgical Navigation and Screw-track Transfer Guide Plate in Treating Orbital Zygomatic Trauma

Presenter: Jie Yuan (China)

Author(s): Jie Yuan, Min Wei, Huichuan Duan

Institution(s): Shanghai 9th People's Hospital, Shanghai, China

10:14 AM

Discussion

Room: Jing-An Grand Ballroom II

8:30 – 10:30 AM

FREE PAPER SESSION 11 - ARTIFICIAL INTELLIGENCE, AUGMENTED REALITY, VIRTUAL REALITY

8:30 AM

370 Personalized Prediction of Pre- and Post-Surgical Development of Patients with Craniosynostosis using Transformer Neural Networks

Presenter: Antonio Porras (United States)

Author(s): Connor Elkhill, Ines A. Cruz-Guerrero, David Khechoyan, Phuong Nguyen, Brooke French, Antonio R. Porras

Institution(s): Colorado School of Public Health, Aurora, CO, United States

8:34 AM

113 Integrating Photogrammetry with Mixed Reality Platforms for Intraoperative Feedback during Cranial Vault Remodeling

Presenter: Ben Massenburg (United States)

Author(s): Kiefer Forseth, Michael Brandel, Julia Schmidt, Alexander Khalessi, Benjamin Massenburg, Michael Levy, Amanda Gosman

Institution(s): University of California San Diego School of Medicine, La Jolla, CA, United States

8:38 AM

118 Automatic Identification of Hard and Soft Tissue Landmarks in Cone-Beam Computed Tomography via Deep Learning with Diversity Datasets: A Methodological Study and its Clinical Validity

Presenter: Yan Jiang (China)

Author(s): Yan Jiang, Canyang Jiang, Bin Shi, You Wu, Jing Zhai, Shuli Xing, Jianping Huang, Li Huang, Lisong Lin

Institution(s): Department of Stomatology, the First Affiliated Hospital of Fujian Medical University, Fuzhou, Fujian, China

8:42 AM

147 AIDY (Application of Artificial Intelligence to Dysmorphology): A New Smartphone Application for Automatic Detection of Genetic Syndromes on 2D Photographs

Presenter: Quentin Hennocq (France)

Author(s): Quentin Hennocq, Olivier Lienhard, Ludovic Bénichou, Ahmed Zaiter, Nicolas Garcelon, Roman Khonsari

Institution(s): Necker Hospital, Paris, France; Imagine Institute, Paris, France

8:46 AM

551 Robot-Assisted Osteotomy and Reposition System for Craniomaxillofacial Surgery: A Preclinical Study

Presenter: Haoliang Chen (China)

Author(s): Haoliang Chen, Xinyu Liu, Bimeng Jie, Chunheng Lu, Junchen Wang, Yang He, Yi Zhang

Institution(s): Peking University School and Hospital of Stomatology, Beijing, China

8:50 AM

56 Morphological Severity and Outcomes in Isolated Metopic Craniosynostosis: Associations with Genetic, Perioperative, and Comorbidity Factors

Presenter: Janina Kueper (United States)

Author(s): Janina Kueper, Wenzheng Tao, Mary Wilding, Viraj Govani, Tobi Somorin, Jake Wagoner, Nawazish Khan, Krithika Iyer, Shireen Elhabian, Jesse Goldstein

Institution(s): University of Pittsburgh, Pittsburgh, PA, United States

8:54 AM

172 Application of Implant Robots in Functional Reconstruction After Mandibular Defects: A 5-Year Randomized Controlled Trial

Presenter: Wei Fang (China)

Author(s): Wei Fang

Institution(s): School of Stomatology, Air Force Medical University, Xian, Shaanxi, China

8:58 AM

247 Research on the Accuracy of Multi-Dimensional Dynamic Navigation Based on MR in Genioplasty

Presenter: Yangyang Lin (China)

Author(s): Yangyang Lin, Luqian Bin, Mingzhe Wang, Weilong Ye, Min Hou

Institution(s): Department of Orthognathic Surgery, Tianjin Stomatological Hospital, School of Medicine, Nankai University, Tianjin, China

9:02 AM

492 The Use of Artificial Intelligence in the Planning of Orthognathic Surgery: Prospective 'Man versus Machine' Validation of a Prototype for Automated Surgical Planning

Presenter: Herman Vercruysse (Belgium)

Author(s): Herman Junior Vercruysse, Elke Van De Castele

Institution(s): University Hospital of Antwerp, Antwerp, Belgium

9:06 AM

540 Aneural Network System Based on Three-Dimensional Morphable Model for Soft-Tissue Prediction After Orthognathic Surgery

Presenter: Yuxin Li (China)

Author(s): YUXIN LI, JIACHEN DONG, XIAOJING LIU, CHUANCHUAN YANG

Institution(s): Peking University School and Hospital of Stomatology, Beijing, China

9:10 AM

558 Evolution Of the Use of Virtual Reality in Surgery: A 1472 - Procedure Experience Over 5 Years

Presenter: Chad Purnell (United States)

Author(s): Kelsey Green, Megan Perez, Izabela Stankiewicz, Tanvi Ghosh, Shireen Damle, Bryan Lopez, Malory Alexis, Naji Zeid, David Morris, Lee Alkureishi, Chad Purnell

Institution(s): Department of Surgery, The Craniofacial Center, Division of Plastic, Cosmetic, and Reconstructive Surgery, The University of Illinois, Chicago, IL, United States

9:14 AM

315 Diagnostic Value of Artificial Intelligence in Identification of Facial Fractures Based on CT-Scan Images

Presenter: Ingrid Anggraeni (Indonesia)

Author(s): Margareth Ingrid Anggraeni, Prasetyanugraheni Kreshanti, Vika Tania, Muhammad Febrian Rachmadi, Aria Kekalih, Reyhan Eddy Yunus, Kevin Gunawan

Institution(s): Cleft and Craniofacial Center, Dr. Cipto Mangunkusumo Hospital, Jakarta, Indonesia; Plastic Surgery Division, Department of Surgery, Dr. Cipto Mangunkusumo Hospital, Faculty of Medicine, Universitas Indonesia, Jakarta, Indonesia

9:18 AM

330 Mixed Reality in Craniofacial Reconstruction

Presenter: Elijah Cai (Singapore)

Author(s): Kwan Yi Yap, Elijah Zhengyang Cai, Chance Goh, Priya Tiwari, Janet Hung, Jing Tzer Lee, O-Wern Low, Vigneswaran Nallathamby, Yan Lin Yap, Gangadhara Sundar, Jane Lim, Roland Lim, Wilson Lu, Yujia Gao, Kee Yuan Ngiam, Catherine Lee, Thiam Chye Lim

Institution(s): Division of Plastic, Reconstructive & Aesthetic Surgery, National University Hospital, Singapore

9:22 AM

596 Multimodal Imaging Fusion for Predicting Postoperative Morphology in Chin Augmentation with Patient-Specific PEEK Prostheses

Presenter: Ce Zhang (China)

Author(s): Ce Zhang

Institution(s): Zhejiang Provincial People's Hospital, Hangzhou, Zhejiang, China

9:26 AM

Discussion

9:34 AM

355 Craniofacial Surgery Redefined: Machine Learning as the Catalyst for Precision, Automation, and Human-AI Synergy

Presenter: Ziyang Guo (China)

Author(s): Ziyang Guo, Li Teng

Institution(s): Plastic Surgery Hospital, Chinese Academy of Medical Sciences, Peking Union Medical College, Beijing, China

9:42 AM

356 Establishment and Application of the Lower Eyelid Assessment Based on 3D Facial Images

Presenter: Yarong Chi (China)

Author(s): Yarong Chi, Nanze Yu, Xiao Long

Institution(s): Department of Plastic and Reconstructive Surgery, Peking Union Medical College Hospital, Beijing, China

9:46 AM

635 Automated Analysis of Nasopharyngoscopy for Velopharyngeal Insufficiency: A Convolutional Neural Network Approach to Velopharyngeal Port Dynamics

Presenter: Chizoba A. Mosieri (United States)

Author(s): Sierra Willens, Chizoba Mosieri, James Antongiovanni, Shivang Trivedi, Xinfei Miao, Peyman Kassani, Jamie Perry, Brian Cohn, Miles Pfaff

Institution(s): Stanford School of Medicine, Stanford, CA, United States; Department of Plastic Surgery, University of California Irvine Health Medical Center, Orange, CA, United States

9:50 AM

671 Deep Learning for Automated Ventricle Segmentation in Craniosynostosis: Overcoming Small Datasets and Anatomical Variability

Presenter: Diede Wijnbergen (Netherlands)

Author(s): Diede Wijnbergen, Henri Vrooman, Marie-Lise van Veelen, Giovanna Paternoster, Roman Khonsari, Irene Mathijssen

Institution(s): Erasmus MC, Rotterdam, Netherlands

9:54 AM

776 Development of a Generative Deep Learning Algorithm to Guide Craniofacial Defective or Malformed Bone Correction

Presenter: Giovanni Badiali (Italy)

Author(s): Giovanni Badiali, Mirko Bevini, Stefano Mazzocchetti, Laura Cercenelli, Emanuela Marcelli, Giuseppe Lisanti, Samuele Salti, Achille Tarsitano, Luigi Di Stefano

Institution(s): University of Bologna, Bologna, Italy; Maxillofacial Surgery Unit - IRCCS Azienda Ospedaliero-Universitaria di Bologna, Bologna, Italy

9:58 AM

823 From Helmet to Outcome: Machine Learning Prediction of Cranial Remodeling in 6,694 Infants

Presenter: Jay Berry (United States)

Author(s): Jay G Berry, Krystof Stanek, James H Wynne, Isabel Stringfellow, Daniel M Balkin

Institution(s): Complex Care, Division of General Pediatrics, Department of Pediatrics, Boston Children's Hospital, Boston, MA, United States; Harvard Medical School, Boston, MA, United States

10:02 AM

849 Overcoming Depth-Perception Limitations in Augmented Reality-Guided Craniotomies with a Tool-Tracked Workflow

Presenter: E. Brandon Strong (United States)

Author(s): Alexander Marston, E. Brandon Strong, Marc Fischer, Gabriel Urreola, Jeffrey Potts, Craig Senders, Andrew Hernandez, E. Bradley Strong, Christian El Amm, Julia Sharma

Institution(s): University of California, Davis, Sacramento, CA, United States

10:06 AM

278 Evaluation of a Facial Dymorphology Analysis Algorithm (Face2Gene) in Identifying Treacher Collins Syndrome Among Diverse Population

Presenter: Timothy Sng (Singapore)

Author(s): Timothy Sng, Jonas Hue

Institution(s): National University of Singapore, Singapore, Singapore

10:10 AM

303 AI-Based Facial Soft Tissue Reconstruction from Images for Trauma Assessment and Personalized Recovery

Presenter: Zhenbo Yu (China)

Author(s): Zhenbo Yu

Institution(s): Shanghai Yuzhen Technology Co.,Ltd, Shanghai, China

10:14 AM

305 AI-Driven Deformable Cranial Modeling for Precision Surgery Planning and Reconstruction

Presenter: Yuying Cui (China)

Author(s): Yuying Cui

Institution(s): The First Affiliated Hospital of Zhengzhou University, Zhengzhou, China

10:18 AM

343 New Productive Force: The Preliminary Report of First Craniofacial Surgical Robot IST Multicenter Clinical Trial in China

Presenter: Li Lin (China)

Author(s): Li Lin

Institution(s): Department of Plastic and Reconstructive Surgery, Shanghai 9th People's Hospital, School of Medicine, Shanghai Jiao Tong University, Shanghai, China

THURSDAY

10:22 AM
Discussion

Room: Exhibition
10:30 – 11:00 AM
Coffee Break in Exhibition

Room: Jing-An Grand Ballroom I

11:00 AM – 12:00 PM

FREE PAPER SESSION 10B - CRANIO-MAXILLOFACIAL TRAUMA

11:00 AM

723 Evaluation of Airway Management Techniques in Complex Craniomaxillofacial Fracture Surgery: Retromolar, Submental, and Tracheostomy Intubation Approaches

Presenter: Wenbin Zhang (China)

Author(s): Wenbin Zhang, Jianfei Zhang

Institution(s): Department of Oral and Craniomaxillofacial Surgery, Shanghai Ninth People's Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, China

11:08 AM

685 3D Printing Customized Titanium Plates Associated with Surgical Navigation Guided Precise Correction of Complex Midfacial Post-Traumatic Deformities

Presenter: Chengshuai Yang (China)

Author(s): Chengshuai Yang, Jinyang Wu, Shilei Zhang

Institution(s): Shanghai Ninth People's Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, China

11:12 AM

741 Maxillofacial Fractures in Pediatric Patients: Orbital Trauma & The Biomechanical Link to Cervical Spine Injuries

Presenter: Meryem Guler (United States)

Author(s): Meryem Guler, Valeria Mejia, Melanie Bakovic, Asli Pekcan, Raina Patel, Alyssa Valenti, William Magee, Mark Urata, Jeffrey Hammoudeh

Institution(s): Children's Hospital Los Angeles, Los Angeles, CA, United States

11:16 AM

581 Comparative Study of Intraoperative CT and Surgical Navigation System in the Surgical Treatment of Unilateral Zygomatic Complex Fractures

Presenter: Dongyang Ma (China)

Author(s): Dongyang Ma

Institution(s): The 940th Hospital of PLA, Lanzhou, Gansu, China

11:20 AM

816 Defining the Role of Technology in Acute Craniofacial Trauma: A Review of Virtual Planning and Operative Deliverables

Presenter: Raymond Harshbarger (United States)

Author(s): Yasmine Soubra, Anirudh Sudarshan, Chinenye Ogbonah, Sarah A. Frommer, Raymond J. Harshbarger

Institution(s): Texas A&M College of Medicine, Houston, TX, United States

11:24 AM

428 Beyond the Bite: Parent and Caretaker Perspectives on Mental Health Support and Preventative Measures After Pediatric Dog Bite Injuries

Presenter: Xinfei Miao (United States)

Author(s): Xinfei Miao, Karlos Manzanarez Felix, Avril Stulginski, Lana Mamoun, Jonathan Picos, Leonardo Alaniz, Raj Vyas, Miles Pfaff

Institution(s): Children's Hospital of Orange County, Orange, CA, United States; University of California Irvine, Plastic Surgery Department, Orange, CA, United States

11:28 AM

555 Surgical Treatment of Mandibular Fractures in the Growing Child Following Traffic Accidents: A 6-Year Experience with Functional and Aesthetic Outcomes

Presenter: Do Ngoc Linh (Vietnam)

Author(s): Thi Ngoc Linh DO, Hong Quan Duong, Thi Thu Hang Nguyen, Ngoc Van Tran, Hong Ha Nguyen

Institution(s): Viet Duc University Hospital, Ha Noi, Vietnam

11:32 AM

63 A Risk Calculator for Predicting Enophthalmos Following Orbital Fracture Repair

Presenter: Michael Grant (United States)

Author(s): Michael Grant, Bashar Hassan, Danielle Sim, Taylor Kolosky, Ferris Zeitouni, Seray Er, Rena Hassan, Richard Redett, Robin Yang, Paul Manson

Institution(s): R Adams Cowley Shock Trauma Center, Baltimore, MD, United States

11:36 AM

528 Application of Absorbable Internal Fixation System in Surgery for Condylar Head Fractures

Presenter: Ran Zhang (China)

Author(s): Ran Zhang, Mingliang Yang

Institution(s): Stomatology Hospital of China Medical University, Shenyang, China

11:40 AM

546 Evaluating the Prognostic Role of Total Comminution Score in ZMC Fractures Treated with ORIF: A 4-Year Retrospective Study from Indonesia

Presenter: Jane Kalangi (Indonesia)

Author(s): Jane Angela Kalangi, Kristaninta Bangun, Vika Tania

Institution(s): Plastic Reconstructive and Aesthetic Surgery Department, Cipto Mangunkusumo Hospital, Jakarta, Indonesia

11:44 AM

687 Computer-Assisted Soft Tissue Three-Dimensional Measurement and Reconstruction Apply to Correct the Orbital Floor Fractures

Presenter: Jinchao Yu (China)

Author(s): Jinchao Yu, Xinhai Ye

Institution(s): Eye & ENT Hospital of Fudan University, Shanghai, China

11:48 AM

686 Key Technologies for the Treatment of Maxillofacial Trauma

Presenter: Xiangdong Qi (China)

Author(s): Xiangdong Qi

Institution(s): Zhujiang Hospital, Guangzhou, China

11:52 AM

Application of Absorbable Internal Fixation System in Surgery for Condylar Head Fractures

Presenter: Xinran Zhao (China)

Author(s): Xinran Zhao (China)

11:56 AM

Discussion

Room: Jing-An Grand Ballroom II

11:00 AM – 12:00 PM

FREE PAPER SESSION 13 - CLEFT LIP AND PALATE - COMPLICATED OR SECONDARY PROBLEMS

11:00 AM

396 Comparison of Bone Quality Among Orthognathic Surgery Patients with Cleft Lip and Palate, Non-Cleft Patients, and the Normal Population

Presenter: Mert Çalış (Turkey)

Author(s): MERT ÇALIŞ, YUSUF IRMAK, GÜVEN OZAN KAPLAN, ELİF GÜNAY BULUT

Institution(s): Hacettepe University Faculty of Medicine Plastic Reconstructive and Aesthetic Surgery Department, ANKARA, Turkey

11:04 AM

478 Multicenter Study: CLEFT-Q Appearance Outcomes at the End of Treatment for Patients with a Cleft Lip and/or Palate

Presenter: Isa Siegert (Netherlands)

Author(s): Isabelle Siegert, Philip van der Goes, Aebele Mink van der Molen, Sarah Versnel, Emma Paes, Esther van Oers-Hazelzet

Institution(s): Erasmus Medical Center, Rotterdam, Netherlands; University Medical Center Utrecht, Utrecht, Netherlands

11:08 AM

160 Risk Factors for Post-Orthognathic Velopharyngeal Insufficiency in Non-Syndromic Cleft Palate Patients

Presenter: Raina Patel (United States)

Author(s): Raina Patel, Asli Pekcan, Valeria Mejia, Melanie Bakovic, Caroline Kreh, Marvee Turk, Pasha Shakoori, William Magee, Mark Urata, Jeffrey Hammoudeh

Institution(s): Nova Southeastern University Dr. Kiran C Patel College of Allopathic Medicine, Fort Lauderdale, FL, United States; Children's Hospital Los Angeles, Los Angeles, CA, United States

11:12 AM

618 AI-Driven Surgical Planning and Augmented Reality Navigation for Perpendicular Plate Resection in Asian Cleft Rhinoplasty: A Feasibility Study

Presenter: Yang An (China)

Author(s): Yang An, Mengying Jin

Institution(s): Peking University Third Hospital, Beijing, China

11:16 AM

443 Streamline of Digitalized Anterior Segmental Maxillary Distraction Osteogenesis on Skeletal Class III Malocclusion Patients Secondary to Cleft Lip and Palate

Presenter: Huilin Wang (China)

Author(s): Huilin Wang, Ming Cai

Institution(s): Shanghai Ninth People's Hospital, Shanghai, China

11:20 AM

45 Alar Base Symmetry in Orthognathic Surgery: Patients with Unilateral Cleft

Presenter: Sotatsu Fukuyama (Japan)

Author(s): Sotatsu Fukuyama, Yuzo Komuro, Lun-Jou Lo

Institution(s): Teikyo University Hospital, Itabashi, Tokyo, Japan; Chang Gung Memorial Hospital, Taoyuan, Taipei, Taiwan

11:24 AM

74 Incidence of Oronasal Fistula after LeFort I Osteotomy in Patients with History of Cleft Palate

Presenter: Davinder Singh (United States)

Author(s): Davinder Singh, Trey Watmore, Alma Jukic, Nicole Kurnik, Jard Gilliland, Jessica Chee-Williams

Institution(s): Phoenix Children's Hospital, Phoenix, AZ, United States; Mayo Clinic, Phoenix, AZ, United States; University of Arizona School of Medicine, Phoenix, AZ, United States

11:28 AM

509 Surgically Assisted Rapid Palatal Expansion in Cleft and Craniofacial Patients

Presenter: Joseph Napoli (United States)

Author(s): Allison Hu, Philip Tolley, Isabel Ryan, Nicholas Han, Hyun-Duck Nah-cederquist, Lawrence Levin, Joseph Napoli, Jordan Swanson, Scott Bartlett, Jesse Taylor

Institution(s): Children's Hospital of Philadelphia, Philadelphia, PA, United States

11:32 AM

692 Timing and Outcomes of Cleft Palate Repair in Patients with Pierre-Robin Sequence

Presenter: Olushola Olorunnipa (United States)

Author(s): Josephine Schmidt, Vamsi Mohan, Adaya Rosenthal-Green, Olushola Olorunnipa

Institution(s): Division of Plastic Surgery, Michael E. DeBakey Department of Surgery, Baylor College of Medicine, Houston, TX, United States; Division of Plastic Surgery, Department of Surgery, Texas Children's Hospital, Houston, TX, United States

11:36 AM

Modiolus-Based Dynamic Reconstruction for Transverse Facial Cleft: A Retrospective Cohort Study

Presenter: Jia Zhou (China)

11:40 AM

809 Orthodontic Outcomes Following ABG: Can the Use of Specific Pre and Post-Operative Imaging Modalities Improve Intra-Operative Approaches and Lead to Optimal Subsequent Dental Treatment Plans?

Presenter: Scott Rapp (United States)

Author(s): Kiersten Woodyard deBrito, Scott Rapp, Trent James

Institution(s): University of Cincinnati Hospital Medical Center, Cincinnati, OH, United States

11:44 AM

796 Progressive Palatopharyngoplasty: An Institutional Algorithm proposal for Tension-Free Closure and Optimal Velopharyngeal Function in Cleft Palate Repair.

Presenter: Alejandro Fukumoto Inukai (Mexico)

Author(s): Kenzo Alejandro Fukumoto Inukai, Rogelio Martínez Wagner, Damián Palafox, Osmani Andrés Castillo Garrido, Javier Andrés Meza Hernández, Alfonso Sandoval Polito

Institution(s): Hospital General Dr. Manuel Gea González, Mexico City, Mexico City, Mexico

11:48 AM

749 Evaluation of Pharynx in Isolated Cleft Palate and Pierre-Robin Syndrome with Cleft Palate

Presenter: Baihui Liu (China)

Author(s): Baihui Liu

Institution(s): Children's hospital of Fudan University, Shanghai, Shanghai, China; Children's hospital of Fudan University, Shanghai, Shanghai, China; Children's hospital of Fudan University, Shanghai, Shanghai, China

THURSDAY

11:52 AM
Discussion

Room: Exhibition
12:00 – 1:00 PM
Lunch Break in Exhibition

Room: Jing-An Grand Ballroom I

1:00 – 3:00 PM

**FREE PAPER SESSION 12 - VIRTUAL SURGICAL PLANNING AND SURGICAL SIMULATION /
SIMULATION SURGICAL EDUCATION**

1:00 PM

360 Simulating Fronto-Orbital Distraction for Unicoronal Synostosis Intervention

Presenter: Yunus Ardakani (United Kingdom)

Author(s): Yunus Samiepour Ardakani, Jonas Mellgren, Ce Liang, Hans Deyle, Karin Säljö, Lars Kölby, Mehran Moazen

Institution(s): University College London, London, United Kingdom

1:04 PM

440 Precise Functional Reconstruction of Traumatic Jaw Bone Defects Using Computer-Assisted Surgical Techniques

Presenter: Lei Tian (China)

Author(s): Lei Tian

Institution(s): School of Stomatology, Xi'an, Shaanxi, China

1:08 PM

105 Validation and Training Efficacy of Immersive Virtual Reality in Orthognathic Surgical Education: A Comparative Study

Presenter: Teng Wan (China)

Author(s): Teng Wan, Xudong Wang

Institution(s): Department of Oral and Craniomaxillofacial Surgery, Shanghai Ninth People's Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, China; College of Stomatology, Shanghai Jiao Tong University, Shanghai, China; National Center for Stomatology, Shanghai, China; National Clinical Research Center for Oral Diseases, Shanghai, China; Shanghai Key Laboratory of Stomatology, Shanghai, China; Shanghai Research Institute of Stomatology, Shanghai, China

1:12 PM

213 Accuracy of Patient-Specific Implants in Midfacial Surgery of Patients with Craniofacial Anomalies

Presenter: Eppo Wolvius (Netherlands)

Author(s): Eppo Wolvius, Bram Roumen, Bart Cornelissen

Institution(s): Erasmus MC, Rotterdam, Netherlands

1:16 PM

522 Dura-Based Automated Vault Expansion Remodelling (DAVE-R): Automated Planning of Vault Expansion for Scaphocephaly

Presenter: Anjum Aarifa Khanom (United Kingdom)

Author(s): Anjum Aarifa Khanom, Christian Duncan, Chris Parks, Ajay Sinha, Anusha Henedige, David Richardson, Vejay Vakharia

Institution(s): University of Liverpool, Liverpool, United Kingdom

1:20 PM

601 Automatic Segmentation and Virtual Reduction of Unilateral Zygomatic Fractures Based on CNN and ICP Algorithm: A Preliminary Study

Presenter: Bimeng Jie (China)

Author(s): Bimeng Jie, Runqi Liu, Junchen Wang, Yi Zhang, Yang He

Institution(s): Peking University School and School of Stomatology, Beijing, China

1:24 PM

785 Enhancing Surgical Precision in Craniopagus Twin Separation: The Role of 3D Modeling in Atypical Anatomical Configurations

Presenter: Rob Lober (United States)

Author(s): Christopher Gordon, Scott Rapp, Akil Patel, Salim Mancho, Diego Steinberg, Carlo Giussani, Fabio Mazzoleni, Andrea Marchesi, Domenico Scopelitti, Rolando Prada, Paolo Remida, Carlos Barcelo, Giorgio Carrabba, Andrew Kobets, Robert Lober

Institution(s): Dayton Children's Hospital, Dayton, OH, United States; Shriners Children's Ohio, Dayton, OH, United States

1:28 PM

Discussion

1:35 PM

320 Multicentered Evaluation of Free Fibular Flap for Mandibula Reconstruction with In-House 3D Model Guiding Fabrication Using Mirroring Technique Compared to Segmenting Technique

Presenter: Gammaditya Adhibarata (Indonesia)

Author(s): Gammaditya Winarno, Kristaninta Bangun, Vika Tania, Parintosa Atmodiwirjo, Erythrina Permata Sari, Narottama Tunjung, Clara Menna, Anjani Larasati

Institution(s): Cleft and Craniofacial Center Dr. Cipto Mangunkusumo Hospital, Jakarta, Indonesia; Plastic Surgery Division, Department of Surgery, Dr. Cipto Mangunkusumo Hospital, Faculty of Medicine, Universitas Indonesia, Jakarta, Indonesia

1:39 PM

116 Virtual Surgical Planning for Facial Feminization Surgery: A Comparison of Three-Dimensional Plans and Actual Results

Presenter: Jake Moscarelli (United States)

Author(s): Albert Rancu, Paula Flores-Perez, Kevin Hu, Omar Allam, Katelyn Lewis, Thayer Mukherjee, Jake Moscarelli, Michael Alperovich

Institution(s): Yale University, New Haven, CT, United States

1:43 PM

68 Single-Stage Virtual Surgical Planning (VSP)-Guided Resection and Custom Polyetheretherketone (PEEK) Implant Reconstruction of Complex Oncologic and Dysplastic Defects of the Craniofacial Skeleton

Presenter: Brendan Cronin (United States)

Author(s): Brendan Cronin, Chris Zhao, Richard Everson, Reza Jarrahy

Institution(s): UCLA Health, Los Angeles, CA, United States

1:47 PM

273 A Quantitative Scoring System for Craniofacial Bone Atrophy in Parry-Romberg Syndrome: The PRS-HAI and Occlusal Cant Framework

Presenter: Zhaojian Wang (China)

Author(s): Zhaojian Wang, Xiaolei Jin

Institution(s): Peking Union Medical College Hospital, CAMS, Beijing, Beijing, China; Plastic Surgery Hospital, CAMS, Beijing, China

1:51 PM

353 Dual Graph Convolution Approach for Maxillofacial Postoperative Facial Prediction

Presenter: Xinrui Huang (China)

Author(s): Xinrui Huang, Dongming He, Xudong Wang

Institution(s): Department of Oral and Craniomaxillofacial Surgery, Ninth People's Hospital Shanghai Jiao Tong University School of Medicine, Shanghai, China

1:55 PM

491 Integration of 3D Morphable Models in Clinical Practice: An All Surfaces Approach

Presenter: Christian Duncan (United Kingdom)

Author(s): Christian Duncan, Martin Van Carlen, Vejay Vakharia, Wuyang Shui, Ajay Sinha, Aitor De Gea Rico, Anusha Hennedige, Chris Parks

Institution(s): Alder Hey Children's Hospital, Liverpool, Merseyside, United Kingdom

1:59 PM

617 Surgical Design-Based Morphological Classification of Condylar Osteochondroma: A Retrospective 20-Year Study

Presenter: Yin Guangpeng (China)

Author(s): Guangpeng Yin, Songyuan Luo, Jingshuang Yu, Xudong Wang

Institution(s): Department of Oral and Craniomaxillofacial Surgery, Shanghai Ninth People's Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, China; College of Stomatology, Shanghai Jiao Tong University, Shanghai, China

2:03 PM

747 Machine Learning to Aid Craniofacial Surgery Preoperative Planning

Presenter: Alessandro Borghi (United Kingdom)

Author(s): Olivia Hosking, Silvia Schievano, Itxasne Antunez Saenz, David Dunaway, Noor Ul Owase Jeelani, Alessandro Borghi

Institution(s): Durham University, Durham, United Kingdom

2:07 PM

753 Improving Surgical Outcomes in Craniofacial Surgery by means of Biofidelic 3D Printed Digital Materials Replicating Paediatric Skull Cranial Bone Mechanics

Presenter: Luke Smith (United Kingdom)

Author(s): Luke Smith, Sara Ajami, Silvia Schievano, Juling Ong, David Dunaway, Noor ul Owase Jeelani, Alessandro Borghi

Institution(s): Great Ormond Street Hospital, London, United Kingdom

2:11 PM

770 A combined Machine Learning and Finite Element Modelling tool for the preclinical planning of Spring Cranioplasty

Presenter: Juling Ong (United Kingdom)

Author(s): Lara Deliege, Itxasne Antunez Saenz, Ane Alberti, Silvia Schievano, Juling Ong, David Dunaway, Noor Ul Owase Jeelani, Alessandro Borghi

Institution(s): University College London, London, United Kingdom; Great Ormond Street Hospital, London, United Kingdom

2:15 PM

Discussion

2:22 PM

371 A Three-Dimensional Cleft Lip Incision-Design iOS Application Using Gamification: Pilot Study Results

Presenter: Nicholas Han (United States)

Author(s): Nicholas Han, Evyn Neumeister, Philip Tolley, Elizabeth Card, Allison Hu, Isabel Ryan, Oksana Jackson, David Low, Scott Bartlett, Jesse Taylor, Jordan Swanson

Institution(s): Children's Hospital of Philadelphia, Philadelphia, PA, United States

2:26 PM

711 Assessing Visual Attention in Orthognathic Surgery Training Using Eye-Tracking Technology

Presenter: Kai Liu (China)

Author(s): Kai Liu, Xinxi Wang, Xudong Wang

Institution(s): Department of Oral and Craniomaxillofacial Surgery, Shanghai Ninth People's Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, Shanghai, China; College of Stomatology, Shanghai Jiao Tong University, Shanghai, Shanghai, China; National Center for Stomatology; National Clinical Research Center for Oral Diseases; Shanghai Key Laboratory of Stomatology, Shanghai, Shanghai, China

2:30 PM

55 A Global Survey of Craniofacial Fellowship Training: Key Insights

Presenter: David David (Australia)

Author(s): David J David, Mohammad R Goodarzi, Neil R McLean

Institution(s): University of Adelaide, Adelaide, SA, Australia

2:34 PM

829 Moving the Craniofacial Team Forward: The Role of Animated Surgical Videos in Craniofacial Surgical Education

Presenter: Natasha Wielogorska (United Kingdom)

Author(s): Natasha Wielogórska, Jagajeevan Jagadeesan

Institution(s): University Hospitals Birmingham, Birmingham, United Kingdom

2:38 PM

194 Development and Validation of a 3D Printed Mandible Model for Bilateral Sagittal Split Osteotomy Surgical Simulation

Presenter: Katherine Zhu (United States)

Author(s): Katherine Zhu, Jacob Hammond, Stone Meng, Jesse Haworth, Andy Ding, Kristen Pan, Jordan Gornitsky, Pasha Shakoori, Russell Taylor, Robin Yang

Institution(s): Johns Hopkins University School of Medicine, Baltimore, MD, United States

2:42 PM

262 "Triangular Osteotomy" for Effective Removal of bony Interference During Orthognathic Surgery with Help of Virtual Surgical Plan

Presenter: Hao Wu (China)

Author(s): Hao Wu, Hao Sun, Xudong Wang

Institution(s): Department of Oral & Cranio-Maxillofacial Surgery, Shanghai Ninth People's Hospital, Shanghai, China

2:46 PM

375 Volumetric Orthognathic Surgery for the Correction of Facial Deformities: An Integrated 3D Approach to Occlusal Restoration and Aesthetic Rebalancing of Soft Tissue Volumes

Presenter: Francesco Seidita (Italy)

Author(s): Alberto Bianchi, Francesco Seidita

Institution(s): University of Catania, Catania, Italy

2:50 PM

658 A Multi-center Randomized Clinical Trial Validating the Accuracy of Patient-Specific Implants versus CAD/CAM Splints in Orthognathic Surgery

Presenter: Xinxi Wang

Author(s): Xinxi Wang, Biao Li, Xudong Wang

Institution(s): Department of Oral and Craniomaxillofacial Surgery, Shanghai Ninth People's Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, China; College of Stomatology, Shanghai Jiao Tong University, Shanghai, China; National Center for Stomatology; National Clinical Research Center for Oral Diseases; Shanghai Key Laboratory of Stomatology, Shanghai, China

2:54

Discussion

Room: Jing-An Grand Ballroom II

1:00 – 3:00 PM

FREE PAPER SESSION 16 - TUMORS AND MICROSURGERY IN CRANIOFACIAL SURGERY

1:00 PM

479 Free vs Local Tissue Transfer and Reconstruction in Pediatric Head & Neck Cancer Patients: A Comparable Complication Outcome Review

Presenter: Caroline Kreh (United States)

Author(s): Valeria Mejia, Raina Patel, Asli Pekcan, Melanie Bakovic, Marvee Turk, Artur Manasyan, Pasha Shakoori, Mark Urata, Jeffrey Hammoudeh, Carolyn Kreh

Institution(s): University of Southern California, Los Angeles, CA, United States; Children's Hospital Los Angeles, Los Angeles, CA, United States

1:04 PM

586 Intelligent Surgical Workflow Recognition for Minimally Invasive Submandibular Gland Resection: A multicenter study

Presenter: Zhongkai Ma (China)

Author(s): Zhongkai Ma, Yufei Hua, Guiquan Zhu, Chunjie Li, Zhiyong Guo

Institution(s): West China Hospital of Stomatology, Sichuan University, Chengdu, Sichuan, China

1:08 PM

631 Lateral Sliding and Temporary Fixation of Le Fort I Osteotomy Assists in Intraoral Condylar Resection

Presenter: Jian Cao (China)

Author(s): JIAN CAO, Xudong Wang

Institution(s): Department of Oral and Caniomaxillofacial Surgery, Shanghai Ninth People's Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, China

1:12 PM

89 Islanding the Facial Artery Myomucosal Flap: How I Do It

Presenter: Xiaozhen Lin (China)

Author(s): Xiaozhen Lin

Institution(s): Department of Stomatology, Hainan Hospital of Chinese People's Liberation Army General Hospital, Sanya, China

1:16 PM

119 Middle-Term Follow-Up of 3D-Printed Customized Temporomandibular Joint-Skull Base Combined Prosthesis

Presenter: Qingyu Xu (China)

Author(s): Qingyu Xu, Yuxin Zhang, Xiang Wei, Lingtong Bu, Minjie Chen, Jisi Zheng, Chi Yang

Institution(s): Department of Oral Surgery, Shanghai Ninth People's Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, China

1:20 PM

124 3D Printed Titanium Porous Implants for the Reconstruction of Zygomaticomaxillary Complex: A Study to Evaluate Efficacy and Safety

Presenter: Nenghao Jin (China)

Author(s): Nenghao Jin, Huawei Liu

Institution(s): Department of Stomatology, The First Medical Centre, Chinese PLA General Hospital, Beijing, China; Department of stomatology, Beijing Tsinghua Changgung Hospital, School of Clinical Medicine, Tsinghua Medicine, Tsinghua University, Beijing, China

1:24 PM

532 NumeriFACE – A Novel Computational Tool to Quantify Facial Paralysis in the Pediatric Population: A Pilot Study

Presenter: Raghav Upadhyaya (United States)

Author(s): Raghav Upadhyaya, Keyvon Rashidi, Michael Klebuc, Amy Xue

Institution(s): Texas Children's Hospital, Houston, Texas, United States

1:28 PM

Discussion

1:47 PM

670 Minimally Invasive Intra-Oral Condylectomy Combined Simultaneous Orthognathic Surgery for Secondary Laterognathia of Condylar Osteochondroma : A Retrospective Study of 83 Cases

Presenter: Yu Jingshuang (China)

Author(s): Yu Jing, Wang Xudong

Institution(s): Department of Oral and Craniomaxillofacial Surgery, Shanghai Ninth People's Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, China

1:51 PM

196 The Impact of Custom Endoprosthesis Reconstruction on Facial Symmetry Following Jaw Reconstruction

Presenter: Meryem Guler (United States)

Author(s): Meryem Guler, Asli Pekcan, Melanie Bakovic, Valeria Mejia, Raina Patel, Pasha Shakoori, Mark Urata, Jeffrey Hammoudeh

Institution(s): Children's Hospital Los Angeles, Los Angeles, CA, United States; The Sidney Kimmel Medical College at Thomas Jefferson University, Philadelphia, PA, United States

1:55 PM

452 Delays in Surgical Care for Head and Neck Cancer Patients: The Impact of Insurance Status and Social Vulnerability

Presenter: Ashlie Elver (United States)

Author(s): Kendall Pitre, Ashlie Elver, Ronald McCall, Henry Taylor, Edward Facundus, Adam Fleming, John Phillips, Sara Islam, Jesse Austin, Benjamin McIntyre

Institution(s): University of Mississippi Medical Center, Jackson, MS, United States

1:59 PM

476 The Combined Surgical and Brachiterapy Protocol in Management of Malignant Orbital Neoplasm in the "Bambino Gesù" Pediatric Hospital

Presenter: Urbano Urbani (Italy)

Author(s): Urbano Urbani, Giuseppemaria Milano, Ida Russo, Luca Tagliaferri, Mario Zama

Institution(s): Plastic and Maxillo Facial Surgery Division IRCCS Ospedale Pediatrico Bambino Gesù, Rome, Italy

2:03 PM

715 Reconstruction of Orbital Floor Defect with Free Flaps after Maxillectomy: Experience From a Tertiary Hospital in Indonesia

Presenter: Regina Apriza (Indonesia)

Author(s): Regina Putri Apriza, Kristaninta Bangun

Institution(s): RSCM-FKUI, Jakarta, DKI Jakarta, Indonesia

2:07 PM

759 Optimizing Free Tissue Transfer for Pediatric Scalp Reconstruction: A Systematic Review and Meta-Analysis of Donor Site Selection

Presenter: Jason Yu (United States)

Author(s): Diego A. Gomez, Emily Cooper, Celia J. Ernstrom, Skyler K. Palmer, Joseph Lopez, Brooke French, Timothy J. Irwin, David Y. Khechoyan, Phuong D. Nguyen, Jason W. Yu

Institution(s): Department of Pediatric Plastic Surgery, Children's Hospital of Colorado, Aurora, CO, United States; Division of Plastic and Reconstructive Surgery, University of Colorado Anschutz Medical Campus, Aurora, CO, United States

2:11 PM

835 The Power of Partnership: Complex Pediatric Microsurgical Head and Neck Reconstruction

Presenter: Renata Maricevich (United States)

Author(s): Renata Maricevich, Brody King, Marco Maricevich

Institution(s): Texas Childrens Hospital, Houston, TX, United States

2:15 PM

0 Mutidisciplinary Treatment of Craniomaxillofacial Tumor

Presenter: Lisong Lin (China)

2:19 PM

133 Functional Repair of Mandibular Bone Defects Using the Scaffold-Driven Double Barrel Fibula Flap Designed Based on Preoperative Biomechanical and Digital Data

Presenter: Liu Huawei (China)

Author(s): liu huawei

Institution(s): Department of Stomatology, The First Medical Center, Chinese PLA General Hospital, Beijing, China

2:23 PM

225 Influence from Tough Neck Status and Other Risk Factors to Cascularized Free Flap Loss in Head and Neck Reconstruction: A Cohort Study and Predictive Model

Presenter: Pingchuan Ma (China)

Author(s): Pingchuan Ma, Longjiang Li, Chunjie Li

Institution(s): State Key Laboratory of Oral Diseases & National Center for Stomatology & National Clinical Research Center for Oral Diseases & Department of Head and Neck Oncology, West China Hospital of Stomatology, Sichuan University, Chengdu, China

2:27 PM

Discussion

Room: Exhibition

3:00 – 3:30 PM

Coffee Break in Exhibition

Room: Jing-An Grand Ballroom I

3:40 – 4:20 PM

FREE PAPER SESSION 15 - CRANIOFACIAL TEAM COORDINATION AND CARE PATHWAYS

3:30 PM

246 Complications of Prone Positioning in Craniofacial Surgery. A Review of 595 Cases in the Oxford Craniofacial Unit, UK

Presenter: Sumit Das (United Kingdom)

Author(s): Sumit Das, Dawn Wilkinson, Olivia Stobbie, Shailendra Magdum, Jay Jayamohan, Tim Lawrence, Stewart Campbell, Claire Ansley-Watson, Gagan Dhotar, Russ Evans, Rosanna Ching, Steven Wall, Gregory Thomas, David Johnson

Institution(s): Oxford Anaesthetic Department, Oxford, United Kingdom

3:38 PM

381 Establishing High-Standard Craniofacial Care in Ukraine: A Partnership for Sustainable Surgical Development.

Presenter: Elliot Pattou (France)

Author(s): E.E. Pattou, T. Pavlychuk, S. Bencherqui, P. Corre, P. Plavsky, A. Kopchak, R.H. Khonsari

Institution(s): Necker Enfants Malades, Paris, France

3:42 PM

241 Moving Beyond Surgical Excellence: A Qualitative Systematic Review into the Perspectives and Experiences of Children, Adolescents, and Adults Living with a Rare Congenital Craniofacial Condition and Their Parents

Presenter: Mariët Faasse (Netherlands)

Author(s): Mariët Faasse, Hester M van de Bovenkamp, Karolijn Dulfer, Virginie Kauffman, Ivana Marinac, Veronica Leonardi, Gareth Davies, Philippe Pakter, Jana Angelova, Karen Wilkinson-Bell, Lars Kölby, Marizela Kljajic

Institution(s): Dutch National Patient and Parents Society for congenital craniofacial conditions, Landelijke Patienten- en Oudervereniging voor Schedel- en/of Aangezichtsandoeningen, (LAPOSA), Rotterdam, Netherlands; Erasmus School of Health Policy and Management, Health Care Governance, Erasmus University, Rotterdam, Netherlands; ERN CRANIO, Rotterdam, Netherlands

3:46 PM

605 Preoperative Decisional Conflict in Patients with Dentomaxillofacial Deformities Undergoing Orthognathic Surgery: A Cross-Sectional Study

Presenter: Bixia Wang (China)

Author(s): Bixia Wang, Xiangying Hu, Xudong Wang

Institution(s): Department of Oral and Maxillofacial Surgery, Shanghai Ninth People's Hospital, Shanghai, China

3:50 PM

307 Treatment of Charity Patients with Highly Complex Craniofacial Abnormalities Globally – Insights from the World Craniofacial Foundation.

Presenter: Diego Steinberg (United States)

Author(s): Diego Steinberg, David Chong

Institution(s): World Craniofacial Foundation, Dallas, TX, United States

3:54 PM

469 Opioid Prescribing Patterns Following Pediatric Cleft and Craniofacial Surgery: A National Analysis of 16,806 Surgical Encounters

Presenter: Adam Fleming (United States)

Author(s): Adam Fleming, Ashlie Elver, Laura Humphries, Ian Hoppe

Institution(s): University of Mississippi Medical Center, Jackson, MS, United States

3:58 PM

78 From Fusion to Function, Clinical Insights and Therapeutic Strategies in Syngnathia

Presenter: Saranda Ombashi (Netherlands)

Author(s): Saranda Ombashi, Jop Wagemans, Victor van Roey, Jeanne Amiel, Eva Galliani, Roman Khonsari, Víctor Zafra Vallejo, Michael Krimmel, Krzysztof Dowgierd, Eppo Wolvius

Institution(s): Erasmus Medical Center, Rotterdam, Zuid-Holland, Netherlands

4:02 PM

547 The American Society of Craniofacial Surgeons Clinical Practice Guideline for the Surgical Treatment of Craniosynostosis

Presenter: Daniel Cho (United States)

Author(s): Daniel Cho, Alexandra Center, Jessica Blum, Aidan O'Shea, Manasa Kalluri, Sarah Thornton, Stephen Ortmann, Robert George, Catharine Garland

Institution(s): University of Wisconsin - Madison, Madison, WI, United States

4:06 PM

771 Developing Craniofacial Surgery in Vietnam – Raising the Floor and the Ceiling

Presenter: Phuong Nguyen (United States)

Author(s): Thalia Le, Skyler Palmer, Diego Gomez, Ton Doan, Khoa Nguyen, Thom Hoang Dang, Christopher Runyan, Phuong Nguyen

Institution(s): Children's Hospital Colorado, Aurora, CO, United States; University of Colorado School of Medicine, Aurora, CO, United States

4:10 PM

Discussion

Room: Jing-An Grand Ballroom I

4:20 – 5:00 PM

FREE PAPER SESSION 17 - BREATHING DIFFICULTIES AND AIRWAY MANAGEMENT

4:20 PM

53 Standardized Classification of Infants with Robin Sequence Using MicroNAPS

Presenter: Cory Resnick (United States)

Author(s): Cory Resnick

Institution(s): Boston Children's Hospital, Boston, MA, United States

4:24 PM

510 Nontraumatic Nasal Septal Deviation in Infancy: A Radiographic Analysis of Prevalence and Long-Term Outcomes

Presenter: Brandi Golden (United States)

Author(s): Allison Hu, Brandi Golden, Philip Tolley, Nicholas Han, Isabel Ryan, Jordan Swanson, Jesse Taylor, Scott Bartlett

Institution(s): Children's Hospital of Philadelphia, Philadelphia, PA, United States

4:28 PM

584 Characteristics of REM Sleep AHI and Supine Sleep AHI on Patients with Residual Obstructive Sleep Apnea after Maxillomandibular Surgeries

Presenter: Wenwen Yu (China)

Author(s): Wenwen Yu, Sitong Li, Liang Xia, Yiwen Bao, Min Zhu, Xudong Wang

Institution(s): Shanghai Ninth People's Hospital, Shanghai JiaoTong University, School of Medicine, Shanghai, China

4:32 PM

806 Prospective Analysis of Polysomnographic EARN Factors to Identify Infants with Robin Sequence Failing Conservative Airway Management

Presenter: Arhana Chattopadhyay (United States)

Author(s): Arhana Chattopadhyay, Alexandra Junn, Jessica Ong, Melanie Bakovic, Liara Ortiz-Ocasio, Theodore Hyman, Gary Rogers, Albert Oh

Institution(s): Children's National Hospital, Washington DC, United States

4:36 PM

412 Predictive Modeling of Mandibular Distraction Osteogenesis Success to Treat Tongue-Based Obstructive Apnea: Results of a 16-Year, Hospital-Wide Intervention Trial

Presenter: Santiago Lopez (United States)

Author(s): Nicholas Han, Philip Tolley, Benjamin Massenburg, Zachary Zapatero, Isabel Ryan, Allison Hu, Scott Bartlett, Jesse Taylor, Eric Liao, Joseph Napoli, Jordan Swanson, Santiago Lopez

Institution(s): Children's Hospital of Philadelphia, Philadelphia, PA, United States

4:40 PM

511 Indications and Trends in Emergent Airway and Ocular Interventions for Syndromic Craniosynostosis: A 40-Year Retrospective Review

Presenter: Maura Guyler (United States)

Author(s): Allison Hu, Nicholas Han, Isabel Ryan, Philip Tolley, Maura Guyler, Jordan Swanson, Jesse Taylor, Scott Bartlett

Institution(s): Children's Hospital of Philadelphia, Philadelphia, PA, United States

4:44 PM

60 Correlation Analysis of Airway-Facial Phenotype in Crouzon Syndrome by Geometric Morphometrics:
A Promising Method for Non-Radiation Airway Evaluation

Presenter: Yehong Zhong (China)

Author(s): Josef Yehong Zhong

Institution(s): Department of Plastic Surgery, Xinhua Hospital, Shanghai Jiao Tong University School of
Medicine, Shanghai, Shanghai, China; Digital Technology Center, Plastic Surgery Hospital, Chinese
Academy of Medical Science& Peking Union Medical College, Shanghai, Shanghai, China

4:48 PM

Discussion

Room: Jing-An Grand Ballroom II

3:30 – 5:00 PM

FREE PAPER SESSION 14 - TUMORS AND VASCULAR ANOMALIES

3:30 PM

100 Updated Classification of Vascular Anomalies. A Living Document from the International Society for the Study of Vascular Anomalies Classification Group

Presenter: Dov Goldenberg (Brazil)

Author(s): Dov Goldenberg, Miikka Vikkula, Anthony Penington, Francine Blei, Leo Schultze Kool5, Michel Wassef, Ilona Frieden, ISSVA Classification Group

Institution(s): University of Sao Paulo, Sao Paulo, SP, Brazil; Hospital Israelita Albert Einstein, Sao Paulo, SP, Brazil

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Combined Orthodontic and Orthognathic Treatment for Secondary Facial Asymmetry in Port-Wine Stain Patients

Presenter: Hanru Ying (China)

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Airway First: Tracheotomy-Primed Sclerotherapy Redefines Management of High-Risk Cervicofacial Venous Malformations

Presenter: Xuan Jiang (China)

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The Five-Step Lip Reduction Surgery for Unilateral Port-Wine Macrocheilia

Presenter: Gang Ma (China)

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Phenotypes-Genotypes Analysis Revealed PIK3CA H1047R Mutation is a Predictor of Severity and Recurrence of Facial Infiltrating Lipomatosis

Presenter: Hongrui Chen (China)

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Low Prevalence of PHACE Syndrome in Facial Segmental Hemangiomas in China

Presenter: Jingjing Sun (China)

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Discussion

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188 Outcomes of Pediatric Maxillofacial Giant Cell Lesion Management in Syndromic versus Non-Syndromic Patients: A 21-Year Review

Presenter: Asli Pekcan (United States)

Author(s): Asli Pekcan, Raina Patel, Melanie Bakovic, Valeria Mejia, Anika Kim, Priyanka Naidu, Pasha Shakoori, Mark Urata, Jeffrey Hammoudeh

Institution(s): Keck School of Medicine of USC, Los Angeles, CA, United States; Children's Hospital Los Angeles, Los Angeles, CA, United States

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156 40 Years' Circumnavigation of Craniofacial NF Tumors

Presenter: McKay McKinnon (United States)

Author(s): McKay McKinnon

Institution(s): Nicklaus Children's Hospital, Miami, Florida, United States; Baptist Health South Florida, Miami, Florida, United States; Ascension St. Joseph Hospital, Chicago, Illinois, United States; French Vietnam Hospital, HCMC, Vietnam; VietDuc Hospital, Hanoi, Vietnam

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420 Longitudinal Volumetric Analysis of Cranial Fibrous Dysplasia Reveals Non-Linear Growth Patterns

Presenter: Alexander Wilson (United States)

Author(s): Nicholas Han, Elizabeth Card, Philip Tolley, Isabel Ryan, Allison Hu, Arastoo Vosough, Jordan Swanson, Jesse Taylor, Eric Liao, Scott Bartlett, Alexander Wilson

Institution(s): Children's Hospital of Philadelphia, Philadelphia, PA, United States

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534 The Successful Use of a Minimally Invasive Temperature-Controlled Radio Frequency (RF) Device to Treat Recalcitrant Symptomatic Temangiomas in Children

Presenter: Kevin Hopkins (United States)

Author(s): Kevin Hopkins, Vanessa Dimas, Yongxu (Joyce) Huang

Institution(s): Driscoll Children's Hospital, Corpus Christi, TX, United States; University of Texas Medical Branch, Galveston, TX, United States

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193 Comparing Maxillofacial and Axial/Appendicular Giant Cell Lesions in Pediatric Patients: Management Strategies and Outcomes

Presenter: Pasha Shakoori (United States)

Author(s): Pasha Shakoori, Asli Pekcan, Melanie Bakovic, Raina Patel, Valeria Mejia, Anika Kim, Mark Urata, Rachana Shah, Jeffrey Hammoudeh

Institution(s): Children's Hospital Los Angeles, Los Angeles, CA, United States

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236 Outcomes Differences of Ossifying Fibroma and Fibrous Dysplasia of the Craniofacial Skeleton

Presenter: Cesar Augusto Raposo-Amaral (Brazil)

Author(s): Felipe Landgraf, Enrico Ghizoni, Cesar Augusto Raposo-Amaral, Cassio Eduardo Raposo-Amaral

Institution(s): SOBRAPAR Hospital, Campinas, SP, Brazil

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403 Management of Rare Central Giant Cell Granuloma with Fungal Spores in Two Male Siblings; Conservative and Radical Approaches Due to Varying Craniofacial Surgical Skills

Presenter: Solomon Obiri-Yeboah (Ghana)

Author(s): Solomon Obiri-Yeboah, Frank Nketia Boakye, George Asafu Adjaye Frimpong, Nana Tuffuor Ampem Gyimah, Ebenezer Elijah Asamoah

Institution(s): Kwame Nkrumah University of Science and Technology, Kumasi, Ashanti Region, Ghana; Komfo Anokye Teaching Hospital, Kumasi, Ashanti Region, Ghana

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414 Demystifying Maxillomandibular Fibrous Dysplasia and its Impact on Dental Development

Presenter: Scott Bartlett (United States)

Author(s): Nicholas Han, Philip Tolley, Theodor Lenz, Alexander Wilson, Isabel Ryan, Allison Hu, Hyun-Duck Nah-Cederquist, Eric Liao, Jordan Swanson, Jesse Taylor, Scott Bartlett

Institution(s): Children's Hospital of Philadelphia, Philadelphia, PA, United States

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682 Self-Providing Flaps for Reconstructing the Defects after Resection of Maxillofacial Giant Benign Tumors

Presenter: Zijian Guo (China)

Author(s): Zijian Guo, Guanru Wang, Grace Paka Lubamba, Zhangfan Ding, Chunjie Li

Institution(s): Department of Head and Neck Oncology, West China Hospital of Stomatology, Sichuan University, Chengdu, Sichuan, China

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Discussion