

Program

July 17, 2024

Hands-on-seminar 1

Dental implant

17 Jul, 12:00-13:00 Hands-on 1

Speaker:

HS1 **Guided open wound healing - a novel approach for bone regeneration**

Shahram Ghanaati (Medical Center of the Goethe University Frankfurt, Department for Oral, Cranio-Maxillofacial and Facial Plastic Surgery, Frankfurt/Main, Germany)

Hands-on-seminar 2

Craniofacial surgery

17 Jul, 12:00-15:00 Hands-on 2

Speaker:

HS2 **Master Class on Craniofacial Surgery**

David Staffenberg (Pediatric Plastic Surgery, NYU Langone Medical Center, Hassenfeld Children's Hospital, USA)

Hands-on-seminar 3

CLP surgery

17 Jul, 12:00-13:00 Hands-on 3

Speakers:

HS3 **Cleft Lip and Palate Surgery**

Hideto Saito (Oral and Maxillofacial Surgery and Orthodontics, The University of Tokyo Hospital, Japan / Cleft Lip and Palate Center, The University of Tokyo Hospital, Japan)

Rika Narita (Oral and Maxillofacial Surgery and Orthodontics, The University of Tokyo Hospital, Japan / Cleft Lip and Palate Center, The University of Tokyo Hospital, Japan)

Miki Kashiwagi (Oral and Maxillofacial Surgery and Orthodontics, The University of Tokyo Hospital, Japan)

July 18, 2024

Opening Ceremony

18 Jul, 9:00-9:45 Room A

Presidential lecture

18 Jul, 9:45-10:00 Room A

Break the limit, bring the innovation.

Kazuto Hoshi (Oral and Maxillofacial Surgery, Department of Sensory and Motor System Medicine, Graduate School of Medicine, The University of Tokyo, Japan)

| Kenneth Salyer Global Award

18 Jul, 10:00-11:00 Room A

Awardee: Yu-Ray Chen (Craniofacial Center, Chang Gung Memorial Hospital and Chang Gung University, Taoyuan, Taiwan)

| Plenary lecture 1

18 Jul, 11:00-11:40 Room A

PL1 Midface surgery: Techniques, when, why & how

David Staffenberg (Pediatric Plastic Surgery, NYU Langone Medical Center, Hassenfeld Children's Hospital, USA)

| Precious Award

18 Jul, 11:40-12:05 Room A

Awardee: HyeRan Choo (Neonatal and Pediatric Craniofacial Airway Orthodontics, Department of Surgery / Division of Plastic and Reconstructive Surgery Stanford University School of Medicine, U.S.A. / Lucile Packard Children's Hospital Stanford. U.S.A.)

| Symposium 1

★ Paper presented by the team applying for the 18th world congress of the International Cleft Lip and Palate Foundation.

Craniofacial surgery 1

18 Jul, 13:00-15:20 Room A

Chairs: Akira Yamada (Plastic and Reconstructive Surgery, Northwestern University Feinberg School of Medicine, USA)
BALAJI SUBRAMONIAM MUTHIAH (Oral and Maxillofacial Surgery, Balaji Dental & Craniofacial Hospital, India)

Speakers:

SY1-1 Total Auricular Construction-Autogenous Rib Cartilage Framework is still The Golden Standard of Care

Akira Yamada (Plastic and Reconstructive Surgery, Northwestern University Feinberg School of Medicine, USA)

SY1-2 Hypoplasia and Sidedness in Unilateral Cleft Lip

David Chong (Plastic and Maxillofacial Department, Royal Childrens Hospital, Melbourne Australia)

SY1-3 Hemifacial microsomia: 3D classification with new subtypes and 3D craniofacial orthognathic treatment without surgery

Reiko Shibasaki-Yorozuya (Division of Orthodontics, Incorporated Medical Institution, Yorozuya Dental Office, Japan)

SY1-4 Evaluation of soft tissue morphology before and after orthognathic surgery using a three-dimensional camera

RYOTA KUNIMI (Section of Orthodontics, Department of Oral Growth and Development, Fukuoka Dental College)

SY1-5 Surgery First of Orthognathic Surgery in Chang Gung Memorial Hospital

Pang-Yun Chou (Department of Plastic and Reconstructive Surgery, Craniofacial Research Center, Chang Gung Memorial Hospital, Chang Gung University, Taoyuan, Taiwan)

SY1-6 **Simultaneous Facial Skeletal Contouring with Bimaxillary Orthognathic Surgery**
Chuan Fong Yao (Craniofacial Center, Department of Plastic and Reconstructive Surgery, Chang Gung Memorial Hospital/Department of Plastic and Reconstructive Surgery, New Taipei Municipal Tucheng Hospital, Taiwan)

SY1-7 **Digital optical impressions to fabricate safe and accurate devices for patient with CLCP : practical cases in Okayama University Hospital**
Hirotaka Ueda (Orthodontics, Okayama University, Japan)

SY1-8 **Distraction osteogenesis for underdeveloped maxilla in patient with cleft lip and palate.**
Katsuhiko Amano (Department of Oral and Maxillofacial Reconstructive Surgery, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Japan)

SY1-9 **Surgical Repair Of Facial Soft Tissues; in a patient with gunshot wounds.**
★ Antonio Alberto (Oral-Maxillofacial Surgery, Nampula Central Hospital, Mozambique)

SY1-10 **Polysomnographic Outcomes Prediction for Obstructive Sleep Apnea Patients Undergoing Maxillomandibular Advancement: a Model Based on Cephalometrics and Demographics**
Cheng-Hui Lin (Craniofacial Center and Craniofacial Research Center, Department of Plastic and Reconstructive Surgery, Chang Gung Memorial Hospital, Taoyuan, Taiwan/Sleep Center, Chang Gung Memorial Hospital, Taoyuan, Taiwan/College of Medicine, Chang Gung University, Taoyuan, Taiwan/Department of Biomedical Sciences and Engineering, Central University, Taoyuan, Taiwan)

SY1-11 **Orthognathic Surgery for Angle's Class III Malocclusion with Obstructive Sleep Apnea**
Tsan-Wu Cher (College of Medicine, Chang Gung University, Taoyuan, Taiwan)

SY1-12 **Management of Craniofacial Clefts - Tessier 0-14**
BALAJI SUBRAMONIAM MUTHIAH (Oral and Maxillofacial Surgery, Balaji Dental & Craniofacial Hospital, India)

| Symposium 2

Orthodontics 1

18 Jul, 15:20-17:50 Room A

Chairs: Keiji Moriyama (Maxillofacial Orthognathics (Orthodontics), Tokyo Medical and Dental University, Japan)
Seung-Hak Baek (Department of Orthodontics, School of Dentistry, Seoul National University, Republic of Korea)

Speakers:

SY2-1 **Characterization of Phenotypes of Korean Patients with Hemifacial Microsomia**
Seung-Hak Baek (Department of Orthodontics, School of Dentistry, Seoul National University, Republic of Korea)

SY2-2 **An Orthodontic Perspective on Oral and Craniofacial Morphology of Patients with Apert and Crouzon Syndromes in Japan**
Keiji Moriyama (Maxillofacial Orthognathics (Orthodontics), Tokyo Medical and Dental University, Japan)

SY2-3 **Withdrawn**

SY2-4 **Withdrawn**

SY2-5 **Withdrawn**

SY2-6 **Withdrawn**

SY2-7 **The stability of maxillary anterior segmental distraction osteogenesis (MASDO) using external distractor and its effects on velopharyngeal function (VPP)**
Naoto HARUYAMA (Section of Orthodontics and Dentofacial Orthopedics, Faculty of Dental Science, Kyushu University, Japan)

SY2-8 **Withdrawn**

SY2-9 **A new scheme: secondary GPP and orthodontic maxillofacial growth modification after eruption of maxillary canine for patients with cleft**
Eric Liou (Graduate Institute of Dental and Craniofacial Science, Chang Gung University, Taoyuang, Taiwan)

SY2-10 **CHANGES OF MAXILLARY ARCH DIMENTSIONS IN CHILDREN WITH UNILATERAL CLEFT LIP AND PALATE FROM BIRTH UNTIL 5 YEARS OF AGE**
Martina Drevensek (Department of Orthodontics, Dental Clinic, University Medical Center Ljubljana, Slovenia)

SY2-11 **How to benefit cleft lip palate patients with Naso-alveolar Molding (NAM) treatment - Experiences in Vietnam National Children's Hospital**
Trinh Do Van Nga (Oral-Maxillofacial Surgery Department, Vietnam National Children's Hospital, Viet Nam)

SY2-12 **Scientifically based new clinical approach to unilateral and bilateral cleft lip and palate rehabilitation**
Maria Chernobrovkina (Pediatric Department, Turner National Medical Research Center for Children's Orthopedics and Trauma Surgery, Russian Federation)

SY2-13 **Effect of Neonatal Cleft Lip Surgery on Maxillary Growth in UCLP Patients at 5 and 10 Years of Age**
Magda Novakova (Clinic of Dentistry, St. Anne's Faculty Hospital, Brno, Czech Republic)

| **Symposium 3**

Prevention/Epidemiology

18 Jul, 13:00-15:00 Room B

Chairs: Marie Tolarova (Department of Orthodontics, Pacific Craniofacial Team and Cleft Prevention Program, University of the Pacific, Arthur A. Dugoni School of Dentistry, San Francisco, USA)
Mihee Hong (Department of Orthodontics, Kyungpook National University, Daegu, Korea)

Speakers:

SY3-1 **A STORY OF QUEST FOR PREVENTING CLEFT LIP AND PALATE**
Marie Tolarova (Department of Orthodontics, Pacific Craniofacial Team and Cleft Prevention Program, University of the Pacific, Arthur A. Dugoni School of Dentistry, San Francisco, USA)

SY3-2 **Prevalence rate of rare craniofacial anomalies in Japan**
★ Takayuki Honda (Department of Plastic and Reconstructive Surgery, School of Medicine, Iwate Medical University, Japan)

SY3-3 **Prevention of the birth of children with maxillofacial anomalies and subsequent rehabilitation.**
★ Olga Anufrieva (Federal State Budgetary Educational Institution of Higher Education "Kuban State Medical University" of the Ministry of Health of the Russian Federation, Krasnodar, Russia)

SY3-4 **Diet for prevention and treatment of cleft lip and palate, A nutritionist's perspective**
★ MONALISA ROUT (Kalinga Institute of Medical Sciences, Bhubaneswar, Odisha, India)

SY3-5 **Maternal and Paternal Risk Factors Associated with Palestinian Cleft Patients in the West Bank**
Muath Tayyem (Programs manager, Operation Smile. Masters degree in Public health. Palestinian Territory)

SY3-6 **Probable Commonality of Cleft Palate: Placental Arginine Metabolic dysregulation and Oxidative Stress**
Xiao Luo (State Key Laboratory of Oral Diseases & National Clinical Research Center for Oral Diseases & Dept. of Cleft Lip and Palate Surgery, West China School of Stomatology, Sichuan University, Chengdu 610041, Sichuan, China)

SY3-7 **First cousin marriages -Consanguinity a major predisposing factor for cleft lip & Palate in India- A cross- sectional study.**
surina sinha (Department of Orthodontics and Dentofacial Orthopedics, Ahmedabad Municipal Corporation (AMC) Dental College and Hospital, Ahmedabad, Gujarat, India)

SY3-8 **Recommendations for oral health, oral functions and orofacial aesthetics-related measures of the ICHOM Standard Set for Cleft Lip and Palate**
Saranda Ombashi (Department of Oral and Maxillofacial Surgery, Special Dental Care and Orthodontics, Erasmus University Medical Center, Rotterdam, The Netherlands)

SY3-9 **Who should fill out a pediatric PROM? Psychometric assessment from a clinical perspective in 567 cleft children.**
Saranda Ombashi (Department of Oral and Maxillofacial Surgery, Special Dental Care and Orthodontics, Erasmus University Medical Center, Rotterdam, The Netherlands / European Reference Network for rare and/or complex craniofacial anomalies and ear, nose and throat disorders)

SY3-10 **A 18-year survey of primary cleft lip and/or palate cases in Toyama University Hospital**
Takaichi Mayu (Department of Oral and Maxillofacial Surgery, Faculty of Medicine, Academic Assembly, University of Toyama, Japan)

| Symposium 4

International cooperation

18 Jul, 15:00-17:45 Room B

Chairs: Soung Min Kim (Department of Oral and Maxillofacial Surgery, Dental Research Institute, School of Dentistry, Seoul National University, Seoul, Korea)
Saranda Ombashi (Department of Oral and Maxillofacial Surgery, Special Dental Care and Orthodontics, Erasmus University Medical Center, Rotterdam, The Netherlands / European Reference Network for rare and/or complex craniofacial anomalies and ear, nose and throat disorders)

Speakers:

SY4-1 **Can You Retire Comfortably? Global Economic Update**

Believe in Miracles - Give Back

Michael Dehal (Dehal Investment Partners, Canada)

SY4-2 **Orofacial Cleft Care in Jordan a 10 years team experience.**

SY4-3 Bashar El Momani (Cleft lip palate unit, The Royal Rehabilitation Farah Center, King Hussein Medical city, Jordanian Medical Services, Jordan)
Mohammad Al Bdour (Cleft lip palate unit, The Royal Rehabilitation Farah Center, King Hussein Medical city, Jordanian Medical Services, Jordan)

SY4-4 Guidance to develop a multidisciplinary, international, pediatric registry
Saranda Ombashi (Department of Oral and Maxillofacial Surgery, Special Dental Care and Orthodontics, Erasmus University Medical Center, Rotterdam, The Netherlands / European Reference Network for rare and/or complex craniofacial anomalies and ear, nose and throat disorders)

SY4-5 Online education for real-time training in sustainable cleft operations amidst rural West Africa
Soungh Min Kim (Department of Oral and Maxillofacial Surgery, Dental Research Institute, School of Dentistry, Seoul National University, Seoul, Korea)

SY4-6 Providing medical care to patients traveling from overseas
Sumihito Tamura (International Medical Center, The University of Tokyo Hospital, Japan)

SY4-7 ADAPTATIONS AND TECHNIQUES FOR MANAGEMENT OF CLEFT PATIENTS IN DEVELOPING COUNTRIES
Micah Shannaline G. Sy (Philippine College of Oral and Maxillofacial Surgeons, Philippines)

SY4-8 Smile House project. A national multidisciplinary approach to cleft surgery
★ Edoardo Cerbelli (San Filippo Neri, Rome, Italy)

SY4-9 The role of humanitarian missions in the treatment of cleft lip and palate in Uzbekistan.
★ Murod Jafarov (Otorhinolaryngology Department, The Tashkent medical academy, Tashkent, Uzbekistan)

SY4-10 Charity surgical mission for cleft lip and palate patients in rural and suburban Indonesia
Dwi Ariawan (Department of Oral and Maxillofacial Surgery, Faculty of Dentistry, Universitas Indonesia, Jakarta, Indonesia)

SY4-11 Medical Volunteering for CLP in Ben Tre Province, Vietnam with a Reunited Team for the First Time in 7 Years
Yu Ohashi (Division of Oral and Maxillofacial Surgery, Department of Reconstructive Oral and Maxillofacial Surgery, School of Dentistry, Iwate Medical University/Head and Neck Cancer Center, Iwate Medical University Hospital, Japan)

SY4-12 Sustainable development goals for cleft care
Kezia Rachellea Mustakim (Department of Oral and Maxillofacial Surgery, Dental Research Institute, School of Dentistry, Seoul National University, Seoul, Korea)

SY4-13 Centralizing expertise in Europe: The European Reference Network for rare Craniofacial Anomalies and Ear, Nose and Throat Disorders (ERN CRANIO)
Jana Steerneman (Department of Plastic and Reconstructive Surgery and Hand Surgery, Erasmus University Medical Centre, Rotterdam, the Netherlands)

SY4-14 Interpersonal Impressions on Cleft Patients and Healthy Children: A Panel Assessment Outcome Study of Peers, Laypersons and Clinicians Using 3dMD Images
Chih-Kai Hsu (Department of Plastic and Reconstructive Surgery, Chang Gung Memorial Hospital, Taoyuan, Taiwan)

| Symposium 5

Cheiloplasty 1

18 Jul, 13:00-14:30 Room C

Chairs: Susumu Tanaka (Department of Oral and Maxillofacial Surgery, Osaka University Graduate School of Dentistry, Japan/Center for Cleft Lip and Palate Treatment, Osaka University Dental Hospital, Japan)
Hideto Saito (Oral and Maxillofacial Surgery and Orthodontics, The University of Tokyo Hospital, Japan/Cleft Lip and Palate Center, The University of Tokyo Hospital, Japan)

Speakers:

SY5-1 **The primary repair for cleft lip-nasal deformity**

Susumu Tanaka (Department of Oral and Maxillofacial Surgery, Osaka University Graduate School of Dentistry, Japan / Center for Cleft Lip and Palate Treatment, Osaka University Dental Hospital, Japan)

SY5-2 **Refinements on a primary unilateral cheiloplasty; Taiwan-made techniques and its long time follow**

Shegeo Kyutoku (Reconstructive Plastic Surgery, Nara City Hospital, Japan)

SY5-3 **Face Scanning and 3D Assessment of Cleft Lip Patients after PNAM treatment**

Jun-Young Kim (Department of Oral and Maxillofacial Surgery and Oral Science Research Center, Yonsei University College of Dentistry, Seoul, South Korea / Institute for Innovation in Digital Healthcare, Yonsei University, Seoul, South Korea)

SY5-4 **Symmetric Philtrum Column reconstruction for unilateral cleft lip**

Madoka Sugiyama (Department of Plastic and Reconstructive Surgery, Kanagawa Children's Medical Center, Kanagawa, Japan)

SY5-5 **★ Suture Vs Tissue Adhesive for skin closure in cleft lip repair - For Better Aesthetic Outcome !**

SUNIL KUMAR ROUT (Department of Plastic Surgery, Kalinga Institute of Medical Sciences, Bhubaneswar, India/AIIMS Bhubaneswar, India)

SY5-6 **Results of Complete Unilateral Cleft Lip Repair at Vietnam National Children's Hospital in 2022-2023**

DANG TRIEU HUNG (Oral-Maxillofacial Department, School of Dentistry - Hanoi Medical University, Viet Nam)

SY5-7 **COMPARISON OF TWO SURGICAL PROTOCOLS FOR THE TREATMENT OF UNILATERAL CLEFT LIP AND PALATE**

Victor van Roey (Plastic and Reconstructive Surgery, Erasmus University Medical Centre Rotterdam, the Netherlands)

SY5-8 **★ A new method of surgical repair of microcleft lip: reconstruction of orbicularis oris muscle through the labial line incision**

Hongping Zhu (Department of Oral and Maxillofacial Surgery, Peking University School and Hospital of Stomatology, China)

SY5-9 **Outcome Comparisons of Two Different Orbicularis Oris Muscle Reconstruction Techniques in Patients with Unilateral Incomplete Cleft Lip**

Chenghao Li (Department of Cleft Lip and Palate Surgery, West China Hospital of Stomatology, Sichuan University, China)

| Symposium 6

Speech therapy 1

18 Jul, 14:35-16:05 Room C

Chairs: Toko Hayakawa (Department of Health Science, Aichi-Gakuin University, Japan)
Sue Ann Lee (Cleft Palate Research Unit, Texas Tech University Health Sciences Center, USA)

Speakers:

SY6-1 **The effect of visual biofeedback using ultrasonography for treating children with cleft palate**
Sue Ann Lee (Cleft Palate Research Unit, Texas Tech University Health Sciences Center, USA)

SY6-2 **Telepractice for speech sound disorders using electropalatography**
Yuri Fujiwara (Speech and Hearing Sciences, Osaka Health Science University, Japan)

SY6-3 **Impact and Influences: Evaluating Early Intervention for Children with Cleft Palate**
Seunghee Ha (Speech Pathology and Audiology, Hallym University, Korea)

| Symposium 7

Fetal medicine/Newborn

18 Jul, 16:10-17:05 Room C

Chairs: Pavel Calda (Fetal Medicine Center, Departement of Gynecology, Obstetrics and Neonatology, General University Hospital, First Medical Faculty, Charles Univ, Prague, Czechia)
Keiichi Kumasawa (the University of Tokyo, Japan)

Speakers:

SY7-1 **Fetal diagnosis and treatment**
Keiichi Kumasawa (the University of Tokyo, Japan)

SY7-2 **Patient Triage to Improve Prenatal Detection of Cleft Lip and Palate**
Pavel Calda (Fetal Medicine Center, Departement of Gynecology, Obstetrics and Neonatology, General University Hospital, First Medical Faculty, Charles Univ, Prague, Czechia)

SY7-3 **An initial analysis to identify the reasons for consultation among patients with submucous cleft palate**
Changjiang Du (Oral and maxillofacial surgery, Peking University School and Hospital of Stomatology, China)

SY7-4 **Long-term Quantitative Assessment of Nasal Symmetry in Patients with Unilateral Cleft Lip and Palate Receiving Presurgical Naso-alveolar Molding procedure.**
Wasmiya AlHayyan (specilized pediatric center, Kuwait)

SY7-5 **Pre-birth cleft prediction using deep neural network**
Maria Chernobrovkina (H.Turner National Medical Research Center for Children's Orthopedics and Trauma Surgery, Russian Federation)

| Symposium 8

Basic science

18 Jul, 17:10-18:05 Room C

Chairs: Miroslav Tolar (Stem Cells and Regenerative Dentistry Laboratory, University of the Pacific, Arthur A. Dugoni School of Dentistry, San Francisco, California, USA)
Takayoshi Sakai (Department of Rehabilitation for Orofacial Disorders, Osaka University Graduate School of Dentistry, Japan)

Speakers:

SY8-1 **State of the Art of the Regenerative Dentistry**
Miroslav Tolar (Stem Cells and Regenerative Dentistry Laboratory, University of the Pacific, Arthur A. Dugoni School of Dentistry, San Francisco, California, USA)

SY8-2 Harmony--Looking for Harmony and Consensus in comprehensive cleft care and collaborative studies

Takaoyshi Sakai (Department of Rehabilitation for Orofacial Disorders, Osaka University Graduate School of Dentistry, Japan)

SY8-3 Mental health of parents after birth of a child with cleft lip and palate

Sachiko Ono (The University of Tokyo, Japan)

SY8-4 Lithium chloride promotes mesenchymal-epithelial transition in murine cutaneous wound healing via inhibiting CXCL9 and IGF2

Chong Zhang (Department of Cleft Lip and Palate Surgery, West China Hospital of Stomatology, Sichuan University, Chengdu, Sichuan, China)

July 19, 2024

Plenary lecture 2

19 Jul, 9:00-9:50 Room A

PL2 **Advances and pitfalls in genomic diagnostics for pediatric diseases**

Motohiro Kato (Department of Pediatrics, the University of Tokyo, Japan)

Symposium 9

Cheiloplasty 2

19 Jul, 10:00-11:20 Room A

Chairs: Yasuyoshi Tosa (Department of Plastic and Reconstructive Surgery, Keio University School of Medicine, Tokyo, Japan)

Lian MA(Clef lip and palate center, Dental hospital, Peking University, China)

Speakers:

SY9-1 **Primary lip repair and secondary lip deformity in cleft lip/ and palate patient**

Lian MA(Clef lip and palate center, Dental hospital, Peking University, China)

SY9-2 **Primary Cheiloplasty for Cleft Lip**

Yasuyoshi Tosa (Department of Plastic and Reconstructive Surgery, Keio University School of Medicine, Tokyo, Japan)

SY9-3 **Establishment of the Guangxi Model for Sequential Treatment of Cleft Lip and Palate in Underdeveloped Regions**

★
Hai Kuang (College of Stomatology of Guangxi Medical University, China)

SY9-4 **Unilateral cleft lip, pilot study of a novel technique with VECTRA M3**

Edoardo Cerbelli (Cranio Maxillo Facial Surgery, San Filippo Neri Hospital, Rome, Italy)

SY9-5 **Algorithm for treatment of unilateral cleft lip: personal experience**

★
Yasser Elbadawy (operation smile Egypt)

SY9-6 **Primary Nasal Correction in Cleft Lip Patients: Comparison of Closed approach Vs Marginal Incision**

Atul Parashar (Post Graduate Institute of Medical Education & Research, Chandigarh, INDIA)

Symposium 10

Speech therapy 2

19 Jul, 11:20-12:50 Room A

Chairs: Toko Hayakawa (Department of Health Science, Aichi-Gakuin University, Japan)

Sue Ann Lee (Cleft Palate Research Unit, Texas Tech University Health Sciences Center, USA)

Speakers:

SY10-1 **Using acoustic information to guide the auditory-perceptual assessment of cleft palate speech**

Tim Bressmann (Department of Speech-Language Pathology, University of Toronto, Canada)

SY10-2 **Perceptual speech evaluation of cleft palate speech/ velopharyngeal dysfunction: current perspectives and trends**
VALERIE PEREIRA (Department of Otorhinolaryngology, Head and Neck Surgery, Faculty of Medicine, The Chinese University of Hong Kong, Hong Kong)

SY10-3 **Incorrect Speech in Parts of Vietnamese Syllables in Children with Cleft Lip and Palate**
Thanh Thi Nguyen (Otorhinolaryngology Department, Vietnam National Children's Hospital, Viet Nam)

| Symposium 11

Secondary correction

19 Jul, 14:25-16:05 Room A

Chairs: Kang-Min Ahn (Oral and maxillofacial surgery, College of medicine, University of Ulsan, Asan medical center, Korea)
Koichi Ueda (Plastic and Reconstructive Surgery, Osaka Medical and Pharmaceutical University, Japan)

Speakers:

SY11-1 **Secondary repair of the free border in cleft lip**
★ Koichi Ueda (Plastic and Reconstructive Surgery, Osaka Medical and Pharmaceutical University, Japan)

SY11-2 **Secondary rhinoplasty for unilateral cleft nasal deformity**
Kang-Min Ahn (Oral and maxillofacial surgery, College of medicine, University of Ulsan, Asan medical center, Korea)

SY11-3 **Primary rhinoplasty in patients with bilateral cleft lip: Longitudinal result and comparison between closed and semi-open approach**
Lun-Jou Lo (Craniofacial Center, Department of Plastic and Reconstructive Surgery, Chang Gung Memorial Hospital, Taoyuan, Taiwan)

SY11-4 **Is There a Difference Between Cleft Lip Treatment and Aesthetic Medicine?**
Takanori Yamawaki (YOUR FACE CLINIC, Japan)

SY11-5 **Cheiloplasty for Complete Bilateral Cleft Lip with a Severely Protruding Premaxilla Employing a Specialized Technique**
★ Mirjamol Jafarov (Chinor Medical Center, Tashkent, Uzbekistan)

SY11-6 **5-year Long-term outcome of Unilateral Cleft Rhinoplasty in Patients with Secondary Nasal Deformity: Optimal Indication of Tajima Technique**
★ yingmeng liu (State Key Laboratory of Oral Diseases & National Center for Stomatology & National Clinical Research Center for Oral Diseases, West China Hospital of Stomatology, Sichuan University, China)

SY11-7 **Management of complex cleft lip nasal deformities, structural approach to achieve excellence**
Mughese Amin (Plastic and reconstructive surgery department, Quaid E azam medical college bahawalpur, Pakistan)

SY11-8 **Determining the Accuracy of Oral Scanners vs 3dMD in Designing the 3D Model of the Auricular Reconstruction Framework**
Junior Tu (Department of Plastic and Reconstructive Surgery and Craniofacial Research Center, Chang Gung Memorial Hospital, Chang Gung University, Taoyuan, Taiwan)

SY11-9 **Construction of virtual airway model to assist surgical correction of velopharyngeal insufficiency with posterior pharyngeal flap**
★ Hongping Zhu (Oral-Maxillofacial Surgery, The University of Peking, School of Stomatology, China)

SY11-10 **Most efficient and meaningful patient reported appearance assessment in different cleft types and age-groups with Cleft-Q**
Saranda Ombashi (Department of Oral and Maxillofacial Surgery, Special Dental Care and Orthodontics, Erasmus MC, Rotterdam, The Netherlands)

| Symposium 12

Speech therapy 3

19 Jul, 16:05-17:15 Room A

Chairs: Tim Bressmann (Department of Speech-Language Pathology, University of Toronto, Canada)
Valerie Pereira (Department of Otorhinolaryngology, Head and Neck Surgery, Faculty of Medicine, The Chinese University of Hong Kong, Hong Kong)

Speakers:

SY12-1 What is the optimal assessment of speech in patients with a cleft? A multicenter, international evaluation of speech assessment in 2500 patients with a cleft.

Saranda Ombashi (Department of Oral and Maxillofacial Surgery, Special Dental Care and Orthodontics, Erasmus University Medical Center, Rotterdam, The Netherlands
European Reference Network for rare and/or complex craniofacial anomalies and ear, nose and throat disorders)

SY12-2 Key points of phonetic evaluation and diagnosis and treatment of congenital velopharyngeal insufficiency

xiaomeng wang (Oral and Maxillofacial Surgery, Guangxi Medical University College of Stomatology, China)

SY12-3 Correlating Nasalance Scores with Perceptual Ratings of Nasality and Examining Linguistic Hierarchy-Dependent Differences in Cleft Palate and Normal Cantonese-Speaking Children

Oi-yan Yoyo Yiu (Speech Therapy Unit, Allied Health Department, Hong Kong Children's Hospital, Hong Kong)

SY12-4 Reduction of hypernasal speakers' nasalance scores with voice focus adjustments

Tim Bressmann (Department of Speech-Language Pathology, University of Toronto, Canada)

SY12-5 Beyond Surgery: The Role of the Klefiden Module in Supporting Children with Cleft Lip and Palate in Malaysia

Muhammad Safwan Yusof (Faculty of Health Sciences, National University of Malaysia/Speech Therapy Unit, Otorhinolaryngology Department, Hospital Kuala Lumpur, Malaysia)

SY12-6 The Management of Speech Therapy in Cleft Patients at the Cleft Center of the University Hospital Brno, Czech Republic

Vaclav Baslik (Department of Pediatric Surgery, Orthopedics and Traumatology, The University Hospital Brno/ Cleft Center of The University Hospital Brno/Masaryk university Brno, Czech Republic)

SY12-7 Speech articulation evaluation for Mandarin-speaking cleft palate patients based on open automatic speech recognition platform

Xia Zhou (Oral and maxillofacial surgery, Peking University School and Hospital of Stomatology, China)

SY12-8 The Effect of Set-up and Hold Articulatory Gesture Training(S&H AGT) for Korean speaking cleft patients

Eun-Jeong Lee (Department of speech therapy, Sehan University, ROK)

SY12-9 Investigation of glottal stop in Mandarin on simultaneously Using Electroglossography and fibro nasopharyngoscopy in Patients With cleft palate

Zhen Ren (Department of Oral & Maxillofacial Surgery, Peking University School and Hospital of Stomatology, Beijing, China)

SY12-10 Application of Lateral Videofluoroscopy and Nasopharyngeal Fiberscopy in assessment of Velopharyngeal Function of Cleft Palate.

Donglan Zhao (Oral-Maxillofacial Surgery, Guangxi Medical University College of Stomatology, China)

| Symposium 13

Craniofacial surgery 2

19 Jul, 10:00-12:00 Room B

Chair: Adi Rachmiel (Oral & Maxillofacial Surgery, Rambam Medical Center, Haifa, Israel)
Yoko Koga (Division of Maxillofacial Surgery and Stomatology, Department of Oral and Maxillofacial Surgery, Tokyo Women's Medical University, School of Medicine, Japan)

Speakers:

SY13-1 Maxillary skeletal augmentation in cleft lip nose deformity
Rajiv Agarwal (Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow, India)

SY13-2 Management of severe mandibular hypoplasia using extra-oral 3-dimensional distraction osteogenesis and sandwich bone graft genioplasty
Joo-Young Park (Department of Oral and Maxillofacial Surgery, Seoul National University School of Dentistry, Seoul National University Dental Hospital, Korea/ Oral mucosa and Jawbone Experimental Immunology Laboratory, Korea)

SY13-3 Surgical orthodontic treatment to establish the final occlusion of patients with cleft lip and palate - are patients satisfied?
Yoko Koga (Division of Maxillofacial Surgery and Stomatology, Department of Oral and Maxillofacial Surgery, Tokyo Women's Medical University, School of Medicine, Japan)

SY13-4 Surgical-orthodontic treatment using two stage distraction surgery in patients with severe cleft maxillary deficiency
Yoshiyuki Mori (Department of Dentistry, Oral and Maxillofacial Surgery, Saitama Medical Center, Jichi Medical University, Japan)

SY13-5 Distraction Osteogenesis as a treatment modality for Obstructive sleep apnea in craniofacial deformities
Adi Rachmiel (Oral & Maxillofacial Surgery, Rambam Medical Center, Haifa, Israel)

SY13-6 Orthognathic surgery for complicated cleft lip and palate patients using digital technology in Vietnam
Minh Nguyen Truong (Oral and Maxillofacial Surgery Department, School of Dentistry, Hanoi Medical University, Vietnam/Odonto Stomatology Department, Hanoi Medical University Hospital, Viet Nam)

SY13-7 Appraising mandibular prognathism in class III malocclusion following orthognathic surgery: Patient-reported and cephalometry-based outcomes
Yoshitsugu Hattori (Department of Plastic and Reconstructive Surgery and Craniofacial Research Center, Chang Gung Memorial Hospital, and Chang Gung University, Taoyuan, Taiwan / Department of Plastic Surgery, Kanto Central Hospital of the Mutual Aid Association of Public School Teachers, Tokyo, Japan)

SY13-8 Novel Machine Learning Algorithms for Prediction of Treatment Decisions in Adult Patients With Class III Malocclusion
Samim Taraji (Department of Pediatric Dentistry, Ann & Robert H. Lurie Children's Hospital of Chicago./ Department of Orthodontics, College of Dentistry, University of Illinois Chicago, USA)

SY13-9 Perception of Appearance and Social Acceptance between Early Adolescent Cleft Patients and Healthy Children: Questionnaire Analysis Based on 3dMD Images
Pin-Ru Chen (Department of Plastic and Reconstructive Surgery and Craniofacial Research Center, Chang Gung Memorial Hospital, Chang Gung University, Taoyuan, Taiwan)

SY13-10 Application of Artificial Intelligence in the Diagnosis of Facial Trauma Imaging
★ Sitora Ruziyeva (Maxillofacial surgery and dentistry, Tashkent Medical Academy, Uzbekistan)

SY13-11 midface intermediate osteotomy with rigid external distraction in Crouzon syndromes
JACQUES SABOYE (CLEFT CENTER TOULOUSE MEDIPOLE GARONNE, France / university of toulouse, France)

Symposium 14

Palatoplasty

19 Jul, 13:40-15:40 Room B

Chairs: Robert Sader (Oral, Cranio-Maxillofacial and Facial Plastic Surgery, University Medicine Frankfurt, Germany)
Olga Koskova (Department of Burns and Plastic Surgery, The University Hospital Brno, Czech Republic/
Cleft Center of The University Hospital Brno, Czech Republic/Masaryk University Brno, Czech
Republic)

Speakers:

SY14-1 ★ Prevention of Oronasal Fistulas After Primary Palatoplasty in Patients with Cleft Palate

Olga Koskova (Department of Burns and Plastic Surgery, The University Hospital Brno, Czech Republic/
Cleft Center of The University Hospital Brno, Czech Republic/Masaryk University Brno, Czech
Republic)

SY14-2 Primary palatoplasty - when and how it should be performed

Robert Sader (Oral, Cranio-Maxillofacial and Facial Plastic Surgery, University Medicine Frankfurt, Germany)

SY14-3 Modified Furlow palatoplasty using small double-opposing Z-plasty: Long-term outcome and comparison with two-flap palatoplasty

Lun-Jou Lo (Department of Plastic and Reconstructive Surgery and Craniofacial Research Center, Chang
Gung Memorial Hospital, and Chang Gung University, Taiwan)

SY14-4 Unveiling the Promise of Velar Adhesion: Advancing Palatoplasty for Better Outcomes

Miki Kashiwagi (Oral-Maxillofacial Surgery and Orthodontics, The University of Tokyo Hospital, Japan)

SY14-5 Modified Furlow palatoplasty using muscle tightening technique: Long-term outcome at a single center

Wen-Jung Chang (Department of Plastic and Reconstructive Surgery, Craniofacial Center, Chang Gung
Memorial Hospital, Chang Gung University, Taiwan)

SY14-6 Comprehensive evaluation of the modified Sommerlad-Furlow palatoplasty: 10-year experience

yang li (State key laboratory of oral diseases /national center for stomatology/national clinical research center
for oral diseases /west china hospital of stomatology, sichuan university, China)

SY14-7 Cleft palate : minimum invasive blunt dissection cleft palate technique a easy solution to a difficult problem.

Mohammad mugheese Amin Amin (Department of plastic and reconstructive surgery, Quaid E azam medical
college bahawalpur, Pakistan)

SY14-8 Surgical outcome of modified triangular vomerine flap for patients with wide complete unilateral cleft palate in Vietnam National Children's Hospital

Do Van Can (Oral and Maxillofacial Surgery Department, Viet Nam National Children's Hospital, Viet Nam)

SY14-9 Experience of Five-zone Method Endoscope Assisted Palatoplasty and Palatopharyngoplasty in 36 Cases

Lian Zhou (Department of Stomatology, Peking Union Medical College Hospital, Chinese Academy of Medical
Sciences and Peking Union Medical College, Beijing, 100730, P.R China)

SY14-10 ★ Adaptation of multiple local flaps to reconstruct large palatal defects; practical experience.

Ahmed Taha (Plastic and Burn Surgeries Departement, Al-Azhar University of Cairo, Egypt)

SY14-11 ★ Dingman SR mouth gag An innovative modification.

SUNIL KUMAR ROUT (Department of Plastic Surgery, Kalinga Institute of Medical Sciences, Bhubaneswar,
Odisha, India)

SY14-12 Between Unity and Disparity: Current State of Orofacial Cleft Surgery in European Expert Centres

Victor van Roey (Plastic and Reconstructive Surgery, Erasmus University Medical Centre Rotterdam, The Netherlands)

Symposium 15

Bone graft

19 Jul, 15:40-17:10 Room B

Chairs: Norifumi Nakamura (Oral-Maxillofacial Surgery, Faculty of Dentistry, Universitas Indonesia, Indonesia/Oral-Maxillofacial Surgery, Graduate School of Medical and Dental Sciences, Kagoshima University, Japan)

Michaela Vecerova (Dpt of Plastic Surgery, 3rd Faculty of Medicine Charles University and Faculty Hospital Kralovske Vinohrady, Czech Republic)

Speakers:

SY15-1 Secondary alveolar bone grafting: comparison of two methods: volumetric evaluation by CT with 3D reconstruction



Michaela Vecerova (Dpt of Plastic Surgery, 3rd Faculty of Medicine Charles University and Faculty Hospital Kralovske Vinohrady, Czech Republic)

SY15-2 A possible paradigm shift towards bone regeneration therapy using osteogenesis-inducing material OCP/collagen in patients with CLP

Norifumi Nakamura (Oral-Maxillofacial Surgery, Faculty of Dentistry, Universitas Indonesia, Indonesia/Oral-Maxillofacial Surgery, Graduate School of Medical and Dental Sciences, Kagoshima University, Japan)

SY15-3 Anterior dental implant in grafted cleft alveolus: A clinical comparison between intramembranous and endochondral bone graft

Buyanbileg Sodnom-Ish (Department of Oral and Maxillofacial Surgery, Dental Research Institute, School of Dentistry, Seoul National University, Seoul, Korea)

SY15-4 Application of autogenous block iliac bone grafting in the repair of alveolar cleft: A retrospective study

Li hongyi (Oral-Maxillofacial Surgery, College of Stomatology, Guangxi Medical University, China/Affiliated Stomatology Hospital, Guangxi Medical University, China)

SY15-5 Secondary Alveolar Bone Grafting in cleft using PCBM harvested from the posterior iliac crest

Bunichi Hirayama (Division of Oral and Maxillofacial Surgery, The University of Miyazaki, Japan)

SY15-6 Improvement and clinical application of iliac bone extraction in children with congenital alveolar cleft.



TAO HUANG (Oral and maxillofacial Surgery, Stomatology Hospital of Guangxi Medical University, China)

SY15-7 Withdrawn

SY15-8 Retrospective analysis of the complications of mandibular cortical bone graft in repairing alveolar cleft



Ming Cai (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 School of Medicine, 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./Research Unit of Oral and Maxillofacial Regenerative Medicine, Chinese Academy of Medical Sciences, Shanghai, China.)

SY15-9 **3-dimensional evaluation of postoperative bone bridge following monocortical mandibular bone grafting for alveolar cleft.**

Shoko Kirikoshi (Oral and Maxillofacial Surgery, Division of Oral Pathobiological Science, Faculty of Dental Medicine and Graduate School of Dental Medicine, Hokkaido University, Japan)

SY15-10 **Precision restoration of alveolar cleft based on digital evaluation**

Yongqian Wang (Cleft Lip and Palate Center, Plastic Surgery Hospital, Peking Union Medical College, China)

Symposium 16

Orthodontics 2

19 Jul, 10:00-11:45 Room C

Chairs: Lateefa Alkharafi (Cleft and Craniofacial Unit, Ministry of Health, Kuwait)

Speakers:

SY16-1 **Digital Craniofacial Orthodontics: From Presurgical Infant Orthopedics to Orthognathic Surgery**

Lateefa Alkharafi (Cleft and Craniofacial Unit, Ministry of Health, Kuwait)

SY16-2 **Maternal Pesticide Exposure a big Challenge Toward Cleft Prevention.**

HECTOR VILLEGAS (Orthodontics, Universidad CES, Colombia)

SY16-3 **Surgical Orthodontic Treatment of Cleft Palate Patients with Maxillary Distraction Osteogenesis**

Toshihiro Inubushi (Department of Orthodontics and Dentofacial Orthopedics, Osaka University Graduate School of Dentistry, Japan)

SY16-4 **Cephalometric analysis of craniofacial and airway growth in infants with Robin sequence treated with Stanford Orthodontic Airway Plate (SOAP)**

Hyeran Choo (Neonatal and Pediatric Craniofacial Airway Orthodontics, Department of Surgery / Division of Plastic and Reconstructive Surgery Stanford University School of Medicine, U.S.A. / Lucile Packard Children's Hospital Stanford, U.S.A.)

SY16-5 **Facial Asymmetry Phenotypes with Unilateral Cleft Lip and Palate and Skeletal Class III Malocclusion Using Principal Component and Cluster Analyses**

Mihee Hong (Department of Orthodontics, Kyungpook National University, Daegu, Korea)

SY16-6 **Withdrawn**

SY16-7 **Long term evaluation of the changes in hard & soft tissue & pharyngeal airway following maxillary distraction osteogenesis in patients with cleft lip and palate**

★ SATINDER PAL SINGH (Orthodontics, Oral Health Sciences Centre, Post Graduate Institute of Medical Education & Research, Chandigarh, India)

SY16-8 **Use of 3D digital technology in comprehensive treatment for Cleft lip and Palate in Vietnam**

TRAN THI HUONG TRA (Orthodontics Department, School of Dentistry, Hanoi Medical University, Viet Nam/Oral-Maxillofacial Surgery Department, School of Dentistry, Hanoi Medical University, Viet Nam/Vietnam-Cu Ba Hospital, Hanoi, Viet Nam)

SY16-9 **8-years experience of facial cleft management in a Malaysian tertiary center**

Rebecca Choy Xin Yi (Reconstructive Science Unit, Universiti Sains Malaysia, Kelantan, Malaysia)

Symposium 17

Complication

19 Jul, 13:40-15:00 Room C

Chairs: Victor van Roey (Plastic and Reconstructive Surgery, Erasmus University Medical Centre Rotterdam, The Netherlands)

Masanobu Abe (Department of Oral & Maxillofacial Surgery, The University of Tokyo, Japan)

Speakers:

SY17-1 Microsurgical Approach to Facial Reanimation in Adolescents and Young Adults

Mutsumi Okazaki (Department of Plastic and Reconstructive Surgery, The University of Tokyo, Japan)

SY17-2 Use of CAD and 3D printing for paediatric management in anaesthesia for cleft palate surgery

Michaela Richtrová (Department of Pediatric Anesthesiology and Resuscitation, The University Hospital Brno, Czech Republic)

SY17-3 Hearing evaluation and management in cleft palate children

Nuntigar Sonsuwan (Otolaryngology Department, Faculty of Medicine, Chiang Mai University, Thailand/The Princess Sirindhorn IT Foundation Craniofacial Center, Chiang Mai University, Chiang Mai, Thailand)

SY17-4 Association between duration of prophylactic antimicrobial therapy and occurrence of surgical site infection after cleft lip and palate surgery

Tomoyo Nishida (Oral-Maxillofacial Surgery and Orthodontics, The University of Tokyo, Japan/Department of Sensory and Motor System Medicine Graduate School of Medicine, The University of Tokyo, Tokyo, Japan/Department of Eat-loss Medicine, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan)

SY17-5 Congenital mass in cleft palate

★ Thanakit Malaikritsanachalee (Department of Otorhinolaryngology, Faculty of Medicine Siriraj Hospital, Mahidol University, Thailand)

SY17-6 Factors affecting multiple Myringotomy in Otitis Media with effusion in children with Cleft Palate

VANNIPA VATHANOPHAS (Otorhinolaryngology Head and Neck Surgery, Siriraj Hospital, Mahidol University, Thailand/Division of Plastic Surgery, Department of Surgery, Faculty of Medicine Siriraj Hospital, Mahidol University, Thailand)

SY17-7 Unveiling the Phenotypical Characteristics of Miller Syndrome

Victor van Roey (Plastic and Reconstructive Surgery, Erasmus University Medical Centre Rotterdam, The Netherlands)

SY17-8 Optimal diagnostic and treatment practices for facial dysostosis syndromes

Victor van Roey (Plastic and Reconstructive Surgery, Erasmus University Medical Centre Rotterdam, The Netherlands)

SY17-9 Bilambdoid and Posterior Sagittal Synostosis : Treatment Strategies and Considerations

Akinori Asaka (Osaka Medical and Pharmaceutical University, Japan)

| Symposium 18

Occlusion/mastication

19 Jul, 13:40-14:20 Room A

Chairs: VIKAS AGGARWAL (INTERNATIONAL CENTRE OF DENTAL EXCELLENCE, India)
Joo-Young Park (Department of Oral and Maxillofacial Surgery, Seoul National University School of Dentistry, Seoul National University Dental Hospital, Korea / Oral mucosa and Jawbone Experimental Immunology Laboratory, Korea)

Speakers:

SY18-1 Considerations for diagnosis and surgical treatment of congenital TMJ pseudo-ankylosis accompanied with craniofacial syndrome

Joo-Young Park (Department of Oral and Maxillofacial Surgery, Seoul National University School of Dentistry, Seoul National University Dental Hospital, Korea / Oral mucosa and Jawbone Experimental Immunology Laboratory, Korea)

SY18-2 Potential new strategies for the management of temporomandibular disorders (TMD)

Takahiro Abe (Department of Oral & Maxillofacial Surgery, Graduate School of Dentistry, Kanagawa Dental University, Japan / Department of Oral-maxillofacial Surgery, Dentistry and Orthodontics, The University of Tokyo Hospital, Japan)

SY18-3 Computer Design and Additive Manufacturing in the Field of Cleft Lip and Palate

Petr Marcian (Institute of Solid Mechanics, Mechatronics and Biomechanics, Faculty of Mechanical Engineering, Brno University of Technology, Brno, Czech Republic)

| Symposium 19

Anatomy

19 Jul, 15:00-16:45 Room C

Chairs: Dominika Matyskova (Department of burns and plastic surgery, University Hospital in Brno, Czech Republic/ Cleft Center of the University Hospital Brno, Czech Republic/Department of Anatomy, Masaryk University in Brno, Czech Republic/Masaryk University in Brno, Czech Republic)
Joe Iwanaga (Department of Neurosurgery, Clinical Neuroscience Research Center, Tulane University School of Medicine, USA)

Speakers:

SY19-1 Immunohistochemical analysis of palatal muscles in pediatric patients with cleft palate

★ Dominika Matyskova (Department of burns and plastic surgery, University Hospital in Brno, Czech Republic/ Cleft Center of the University Hospital Brno, Czech Republic/Department of Anatomy, Masaryk University in Brno, Czech Republic/Masaryk University in Brno, Czech Republic)

SY19-2 Clinical Anatomy of the cleft lip and palate

Joe Iwanaga (Department of Neurosurgery, Clinical Neuroscience Research Center, Tulane University School of Medicine, USA)

SY19-3 Age estimation by evaluating median palatine suture closure using postmortem CT

Susumu Kobayashi (Forensic Medicine, The University of Tokyo, Japan)

SY19-4 The Mechanisms of Palatal Fusion and the Effects of Folic Acid Application

Toshihiro Inubushi (Department of Orthodontics and Dentofacial Orthopedics, Osaka University Graduate School of Dentistry, Japan)

SY19-5 Superior labial artery and vein anastomosis configuration to be considered in lip augmentation

Masahito Yamamoto (Department of Anatomy, Division of Basic Medicine, Tokai University School of Medicine, Isehara, Japan / Department of Anatomy, Tokyo Dental College, Chiyoda-ku, Tokyo, Japan)

SY19-6 **Morphological Mechanism of the Secondary Palatogenesis: the Palatal Shelves Elevate by Themselves.**
Osamu Amano (Division of Histology, Meikai University School of Dentistry, Japan)

SY19-7 **Does hand-predominance have a predominant influence on craniofacial asymmetric and anthropometric analysis in preadolescents?**
Shuo Cheng Li (Department of Plastic and Reconstructive Surgery, Chang Gung Memorial Hospital, Taoyuan, Taiwan)

SY19-8 **★ A Physician-Centered Craniofacial Asymmetry Index for Determining the Severity of Plagiocephaly: A Comparative Study of Various Assessment Methods**
Ting-Hsuan Lin (Chang Gung University, Taoyuan, Taiwan)

SY19-9 **Upper Airway evaluation by Cone Beam CT in cleft palate children with and without OSA**
Nuntigar Sonsuwan (Department of Otolaryngology, Faculty of Medicine, Chiang Mai University, Thailand/The Princess Sirindhorn IT Foundation Craniofacial Center, Chiang Mai University, Chiang Mai, Thailand)

| Symposium 20

Occlusal analysis

19 Jul, 11:45-12:45 Room C

Chairs: Takahiro Abe (Department of Oral & Maxillofacial Surgery, Graduate School of Dentistry, Kanagawa Dental University, Japan/Department of Oral-maxillofacial Surgery, Dentistry and Orthodontics, The University of Tokyo Hospital, Japan)
Miki Kashiwagi (Oral and Maxillofacial Surgery and Orthodontics, The University of Tokyo Hospital, Japan)

Speaker: VIKAS AGGARWAL (INTERNATIONAL CENTRE OF DENTAL EXCELLENCE, India)

SY20-1 DIGITAL OCCLUSAL ANALYSIS V/S TRADITIONAL METHODS, IN DIAGNOSIS AND MANAGEMENT OF OCCLUSION

SY20-2 BENEFITS OF DIGITAL OCCLUSAL ANALYSIS IN DIAGNOSIS TREATMENT PLANNING AND MONITORING

SY20-3 CLICKING TMJ— ALARM FOR A DENTIST ????