

Program

9:00 – 9:05

Opening Address

Keisuke Imai (JPN)

Department of Plastic & Reconstructive Surgery, Osaka City General Hospital

9:05 – 10:35

ISSiS Panel Session 1 “Navigation and Simulation”

Moderators: Yong Oock Kim (KOR)

Yonsei University, College of Medicine

Jiro Maegawa (JPN)

Plastic and Reconstructive Surgery, Yokohoma City University Hospital

O-01 Use of Navigation System in Lymphatic Venous Anastomosis

Chie Kawaguchi (JPN)

Plastic and Reconstructive Surgery, Yokohoma City University Hospital

O-02 Intraoperative Repositioning Assessment Using Navigation System in Facial Bone Fracture

Akihiro Ogino (JPN)

Department of Plastic and Reconstructive Surgery, Toho University Omori Medical Center

O-03 3D Simulation and Navigation for OGS in Kaohsiung CGMH

Ben Jui-Pin Lai (TPE)

Department of Plastic and Reconstructive Surgery, Kaohsiung Chang Gung Memorial Hospital

O-04 A Blinking Periorbital Prosthesis Using Surface Electromyographic Signals of the Orbicularis Oculi Muscle

Tadashi Akamatsu (JPN)

Tokai University School of Medicine Department of Plastic Surgery

O-05 Simulation for Symmetrical Auricular Elevation in Microtia Surgery with Artificial Bone: A Case Report

Yuya Yamamoto (JPN)

Department of Plastic and Reconstructive Surgery, Ashikaga Red Cross Hospital

O-06 Simulation of Resection Volume in Cross-Shaped Tongue Reduction for Beckwith-Wiedemann Syndrome

Makoto Hikosaka (JPN)

Division of Plastic Surgery, National Center for Child Health and Development

Discussion (30min)

10:40 – 12:10

ISSiS Panel Session 2 “Preoperative and/or Intraoperative Simulated Surgery”

Moderators: Jong-Woo Choi (KOR)

Department of Plastic & Reconstructive Surgery, College of Medicine,
University of Ulsan, Seoul Asan Medical Center

Kiyoshi Onishi (JPN)

Plastic & Reconstructive Surgery, Toho University

O-07 Making 3D Soft Tissue Models with Affordable Set Up

Soh Nishimoto (JPN)

Hyogo College of Medicine, Department of Plastic Surgery

O-08 Comparing Two Personal Three-Dimensional Dual Extruder Printer in Making Three-Dimensional Mandibular Models: “MakerBot® Replicator™ 2X Experimental 3D Printer” and “FLASHFORGE Dreamer Dual Extrusion 3D Printer”

Yohei Sotsuka (JPN)

Department of Plastic Surgery, Hyogo College of Medicine

O-09 Proposal for Use of 3D Printer in Medical Field

Ayaka Hirano (JPN)

Marubeni Information Systems Co., Ltd.

O-10 Application of CAD Software for the Assessment of Body Surface Curvature - Zebra Striping & Environment Mapping

Yumeji Takeichi (JPN)

Daiyukai Daiichi Hospital, Dept. of Plastic and Reconstructive Surg., Ichinomiya

O-11 Virtual Simulation Software for Craniomaxillofacial Reconstruction Surgery

Youngjun Kim (KOR)

Center for Bionics, Biomedical Research Institute, Korea Institute of Science and Technology (KIST)

O-12 Augmented Reality Using a Common Binocular Transparent Smart Glasses for Surgical Navigation

Tomoki Itamiya (JPN)

Aichi University of Technology, Department of Engineering

Discussion (30min)

14:00 – 15:00

ISSiS Invited [Room B] Lecture “Advances in Craniofacial Surgery for the Correction of Congenital Anomalies: From Bench Research to Current Practice”

Moderator: Tsuyoshi Kaneko (JPN)

National Center for Child Health and Development

Lecturer: Arun K. Gosain, M.D., FACS, FAAP

Lurie Children’s Hospital of Northwestern University Feinberg School of Medicine, USA

15:00 – 15:40

JSSiS & ISSiS Business Meeting

Presentation of Fujino's Prize

16:00 – 17:30

ISSiS Panel Session 3 “Virtual reality and 3D models”

Moderators: Charan Mahatumurat (THA)

Princess Sirindhorn CranioFacial Center, Chulaongkorn Hospital, Bangkok,
Thailand

Hiroyuki Ohjimi (JPN)

Department of Plastic & Reconstructive Surgery, School of Medicine, Fukuoka
University

O-13 Identification of Frontal Regions of the Face Likely to Result in Optic Canal Fractures When Struck

Tomohisa Nagasao (JPN)

Department of Plastic Surgery, Medical School of Kagawa University

O-14 The Most Advanced Neurosurgical Simulation

Tomohisa Miyagi (JPN)

Department of Neurosurgery, University of the Ryukyus

O-15 Achieving Satisfactory Pterygomaxillary Separation During LeFort 1 Osteotomy: An Imaging Study

Yen-Po Chin (TWN)

Craniofacial Research Center, Chang Gung Memorial Hospital, Taoyuan

O-16 Preoperative Simulation of Expander/Implant Breast Reconstruction Using Implant-Products CT Image

Hiroshi Nomura (JPN)

Plastic Surgery, Nakagami Hospital

O-17 Computer Based Three-Dimensional Assessment of Disorder of Facial Movement by Optical Flow Based on Video Images

Ichiro Tanaka (JPN)

Division of Plastic and Reconstructive Surgery, Ichikawa General Hospital, Tokyo
Dental College

O-18 Surgical Simulation Using Both 3D Image and 3D Model for Cranio-Maxillofacial Surgery

Takayuki Okumoto (JPN)

Department of Plastic and Reconstructive Surgery, Fujita Health University School of
Medicine

Discussion (30min)

17:30 – 17:40

Closing Address

Keisuke Imai (JPN)

Department of Plastic & Reconstructive Surgery, Osaka City General Hospital