

# Free Paper

May 29 (Mon) 14:00–14:40

Room 3

## Free Paper 1

### Eyelid Surgery 1

Moderator: Yusuke Shimizu (Department of Plastic and Reconstructive Surgery, Graduate School of Medicine, University of the Ryukyus)

- FP1-1 Case of lower eyelid reconstruction with the reverse facial artery flap for incomplete eyelid closure after maxillectomy and radiotherapy**  
**Hirokazu Sukegawa**  
Department of Plastic and Aesthetic Surgery, Hokushin General Hospital, Nagano, Japan
- FP1-2 Development of eyelid and eyebrow measurement software, compare with the MRD1 method**  
**Toshiaki Koyanagi**  
Plastic and Reconstructive Surgery, University of Fukuoka
- FP1-3 A novel procedure reconstructed skin-tarsoligamentous sling with a fascia lata strip combined with buccal mucosa grafting and cheek rotation flap for full-thickness lower eyelid defect**  
**Yoshiro Abe**  
Department of Plastic and Reconstructive Surgery, Tokushima University Graduate School of Biomedical Sciences, Tokushima, Japan
- FP1-4 Lower eyelid reconstruction using a step ladder VY advancement flap after removal of the malignant eyelid tumor**  
**Kazuki Shimada**  
Department of Plastic and Reconstructive Surgery, Tokyo Medical university, Tokyo, Japan
- FP1-5 Lacrimal Plasty with Dacryocystorhinostomy-Anastomosis Using Microsurgery**  
**Daisuke Yanagisawa**  
Department of Plastic and Reconstructive Surgery, Shinshu University School of Medicine, Nagano, Japan

May 29 (Mon) 14:40–15:20

Room 3

## Free Paper 2

### Eyelid Surgery 2

Moderator: Eun Soo Park (Soonchunhyang University)

**FP2-1 High Double Eyelid Fold Correction Composite Using Fat Strip Transplantation and Pretarsal Orbicularis Oculi Flap**

**haihua chen**

Hangzhou first people's hospital, university of Zhejiang, Hangzhou, China

**FP2-2 A Case Report of Non-Invasive Levator Tucking(NILT) Method for Iatrogenic Ptosis**

**Halim Baek<sup>1,2</sup>**

<sup>1</sup>Lekarka Clinic Omotesando, Tokyo, Japan, <sup>2</sup>Department of Plastic and Reconstructive surgery, St.Luke International Hospital, Tokyo, Japan

**FP2-3 Medial Epicanthal Fold Correction using a Y-W Epicanthoplasty in Asian Eyelids**

**Hojin Park**

Department of plastic and reconstructive surgery, Korea University

**FP2-4 Transconjunctival Orbital Fat Reposition for Tear Trough Deformity Using an Bidirectional PDO Cog thread**

**Jung S. Yoo**

Gangnam K Beauty Plastic surgery clinic. Seoul. Korea

**FP2-5 Frontalis Suspension Surgery with Upper Retroauricular Fascia Graft**

**Kazuki Ueno**

Department of Plastic and Reconstructive Surgery, Wakayama Medical University, Wakayama, Japan

May 29 (Mon) 15:20–16:00

Room 3

## Free Paper 3

### Breast Reconstruction 1

Moderator: Seung Yong Song (Yonsei University)

**FP3-1 Evaluation of body composition after deep inferior epigastric artery perforator flap breast reconstruction by bioelectrical impedance analysis.**

**Tomohiro Kojimahara**

Department of Plastic and Reconstructive Surgery, Graduate School of Medicine, Tokyo Medical and Dental University

**FP3-2 Comparative Microbiome Analysis of the Contracted Breast Capsules Using Next Generation Sequencing**

**Tae Hyun Park**

Department of Plastic and Reconstructive Surgery, School of Medicine, Kyungpook National University

**FP3-3 Morphological evaluation of reconstructed breast in patients with unilateral breast cancer using three-dimensional images**

**Yuki Otsuki**

The Department of Plastic and Reconstructive Surgery, Osaka Medical and Pharmaceutical University, Osaka, Japan

**FP3-4 Safety of augmenting breast volume in direct-to-implant breast reconstruction with contralateral breast augmentation: Comparison with two-stage reconstruction**

**Soo Hyun Woo<sup>1,2</sup>**

<sup>1</sup>Department of Plastic Surgery, Chung-Ang University Hospital, Seoul, Korea, <sup>2</sup>Department of Plastic Surgery, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea

**FP3-5 Inframammary fold fixation in the DIEP flap breast reconstruction**

**Hiroki Mori**

Department of Plastic and Reconstructive Surgery, Tokyo Medical and Dental University, Tokyo, JAPAN

**May 29 (Mon) 16:00–16:48**

**Room 3**

**Free Paper 4**

**Breast Reconstruction 2**

Moderator: Satoshi Takagi (Department of Plastic, Reconstructive and Aesthetic Surgery, Faculty of Medicine, Fukuoka University)

**FP4-1 Risk factors for chest wall depression after implant insertion for breast reconstruction: a retrospective quantitative study**

**Jiwoo Jang**

Department of Plastic and Reconstructive Surgery, Seoul National University College of Medicine, Seoul National University Bundang Hospital, Seongnam, Korea

**FP4-2 Association of Neoadjuvant Chemotherapy with Postoperative Outcomes in Immediate Prepectoral Prosthetic Breast Reconstruction**

**Jae-Min Choi**

Department of Plastic and Reconstructive Surgery, Myong-Ji Hospital, Goyang, South Korea

**FP4-3 Endoscopy-assisted Extended Latissimus Dorsi Flap plus Lipofilling for scarless breast reconstruction**

**Shinsuke Akita**

Department of Plastic and Reconstructive Surgery, Chiba University

**FP4-4 Drain tip culture in implant-based reconstruction; Is it of any value?**

**Man Wong Han**

Department of Plastic and Reconstructive Surgery, Seoul National University Hospital, Seoul National University College of Medicine, Seoul, Republic of Korea

**FP4-5 Toxic shock syndrome caused by Methicillin-resistant Staphylococcus aureus after immediate breast reconstruction with tissue expander**

**Nanako Ayabe**

The Department of Plastic surgery, Tokyo medical university hospital, Tokyo, Japan

**FP4-6 Primary One-Stage Reconstruction Using Breast Implants and the Latissimus Dorsi Muscle after Nipple-Sparing Mastectomy**

**Kensuke Sakata**

Department of Plastic and Reconstructive Surgery and Maxillofacial Surgery, Kurume University School of Medicine, Kurume, Japan

**May 29 (Mon) 16:48–17:28**

**Room 3**

**Free Paper 5**

**Nipple Areola**

Moderator: Hiroki Mori (Plastic and Reconstructive Surgery, Tokyo Medical and Dental University)

**FP5-1 SVF Pretreatment for Nipple Reconstruction in Radiated Breast**

**SeungYong Song**

Department of Plastic and Reconstructive Surgery, Yonsei University College of Medicine, Seoul, Republic of Korea

**FP5-2 Nipple reconstruction using modified C-V flap with purse-string sutures for maintenance of long-term nipple projection**

**Seokwon Park**

Department of Plastic and Reconstructive Surgery, Seoul National University, Seoul, Republic of Korea

**FP5-3 A New Method for Inverted Nipple Treatment with Diamond-shaped Dermal Flaps and Acellular Dermal Matrix**

**Jeong Do Park**

Department of Plastic and Reconstructive Surgery, Soonchunhyang University Gumi Hospital, Gyeongsangbuk-do, Republic of Korea

**FP5-4 Modified skin banking closure technique after nipple areola-sparing mastectomy**

**Miki Kanbe**

Department of Plastic and Reconstructive Surgery, Nagoya University, Nagoya, Japan

**FP5-5 A nipple protector for the duct-preserving surgical correction of the inverted nipple.**

**Kento Homma<sup>1,2</sup>**

<sup>1</sup>Department of Plastic and Reconstructive Surgery, Tokyo Women's Medical University, <sup>2</sup>Sapporo Aesthetic Plastic Surgery

Free Paper 6

Vascular Anomaly

Moderator: Mine Ozaki (Department of Plastic Surgery, Kyorin University School of Medicine)

**FP6-1 Experience with oral sirolimus therapy for intractable lymphatic malformations at Tonan Hospital**

**Satoru Sasaki**

Department of Plastic Surgery, KKR Tonan Hospital, Sapporo, Japan

**FP6-2 Partially involuting congenital hemangioma with rapid growth after biopsy in infancy**

**Yuki Sasaki**

Department of Plastic and Reconstructive Surgery, Faculty of Medicine, Hokkaido University

**FP6-3 Hybrid treatment for trunk AVM: Two case reports**

**Miho Noguchi**

Department of Plastic and Reconstructive Surgery, Shinshu University School of Medicine, Matsumoto, Nagano, Japan

**FP6-4 Lingual arteriovenous malformation with bleeding treated with polidocanol foam sclerotherapy using intestinal forceps to control blood flow**

**Yuki Sasaki<sup>1,2</sup>**

<sup>1</sup>Department of Plastic and Reconstructive Surgery, Faculty of Medicine, Hokkaido University, <sup>2</sup>Department of Plastic and Reconstructive Surgery, Center for Vascular Anomalies, Tonan Hospital

**FP6-5 Identification of miRNAs as Potential Biomarkers for Extracranial Arteriovenous Malformations**

**Hyun Geun Cho**

Kyungpook National University, School of Medicine, Dept. of Plastic and Reconstructive Surgery, KOREA

**FP6-6 Bordering Procedure, an effective method for large AVMs**

**Tsubasa Shimizu**

Department of Plastic surgery, Kyorin university School of Medicine

**FP6-7 Streptococcal Toxic Shock Syndrome in a Pediatric Patient with Intramuscular Venous Malformation in the Neck: early diagnosis and treatment.**

**Norifumi Matsuda**

Department of Plastic and Reconstructive Surgery, Faculty of Medicine, Hokkaido University

May 29 (Mon) 14:00–14:32

Room 4

Free Paper 7

Head and Neck 1

Moderator: Tae Suk Oh (University of Ulsan)

**FP7-1 Usefulness of pericranial flap for intractable head ulcer**

**Kenichi Kumazawa**

Department of Plastic and Aesthetic surgery, Kitasato University school of medicine, Kanagawa, Japan

**FP7-2 Reconstruction of Large Facial Defects Using Three or More Regional Flaps**

**Minhak Lee**

Department of Plastic and Reconstructive Surgery, Pusan National University, School of Medicine, Busan, Republic of Korea

**FP7-3 The axial frontonasal flap for Asian nasal skin defect.**

**Yoshihiro Shimada**

Noto General Hospital, Ishikawa, Japan

**FP7-4 Postsurgical complications of craniofacial osteoradionecrosis**

**Kosuke Morioka**

Department of Plastic and Reconstructive Surgery, Kagoshima City Hospital, Kagoshima, Japan

May 29 (Mon) 14:32–15:04

Room 4

Free Paper 8

Head and Neck 2

Moderator: Ikuo Hyodo (Department of plastic and Reconstructive Surgery University of Occupational and Environmental Health, Japan, University Hospital)

**FP8-1 Analysis of oral function evaluation after tongue reconstruction surgery**

**Takeshi Kaneuji**

Division of Oral and Maxillofacial Surgery, Department of Medicine of Sensory and Motor Organs, Faculty of Medicine, University of Miyazaki

**FP8-2 Fat-Augmented Temporal Fascia Flap for Defect Following External Auditory Canal Cancer Resection**

**Yusuke Shikano**

The Department of Plastic Surgery, University of Osaka, Osaka, Japan

**FP8-3 Additional arterial anastomosis in anterolateral thigh flap for head and neck reconstruction**

**Ikuo Hyodo**

Department of plastic and Reconstructive Surgery University of Occupational and Environmental Health, Japan, University Hospital

**FP8-4** New method of a combined thoracic flap pedicled with the pectoralis major myocutaneous flap including the second and third internal thoracic artery perforators in head and neck reconstruction

**Hisashi Migita**

Department of Plastic and Reconstructive Surgery and Maxillofacial Surgery, Kurume University School of Medicine

**May 29 (Mon) 15:04–15:44**

**Room 4**

**Free Paper 9**

**Scar and Keloid**

Moderator: Hijin You (Korea University)

**FP9-1** A case report of wide depressed scar deformity treated with cutting wire and autologous fat graft

**Eun Chan Kim**

Department of Plastic Surgery, Soonchunhyang Gumi Hospital, Gumi-si, South Korea

**FP9-2** The Efficacy of keloid excision and adjuvant CT-based conformal electron beam radiation therapy: a single center experience and patient-reported outcomes

**Dong-Jin Kim**

Department of Plastic & Reconstructive Surgery, Korea University, Seoul, Korea

**FP9-3** Reconstruction after Anterior Chest Wall Keloid Resection Using Bilateral Internal Mammary Artery Perforator flaps -Two case reports of Lotus petal flap-

**Hidetaka Watanabe**

Saga University School of Medicine Plastic Surgery, Saga, Japan

**FP9-4** Treatment of deliberate self-harm scars with 90-degree rotated and return split-thickness skin graft

**Hideyuki Muramatsu**

Kizu to Kizuato no Clinic (Wound and Scars Clinic) in Tokyo

**FP9-5** Scar revision after wrist cutting using W-plasty

**Akira Takeda**

Department of Plastic and Aesthetic Surgery, School of Medicine, Kitasato University, Kanagawa, Japan

May 29 (Mon) 15:44–16:16

Room 4

## Free Paper 10

### Microsurgery 1

Moderator: Han Gyu Cha (Soonchunhyang Univ.)

**FP10-1 Rare case of managing and evaluating viability after replantation of a serial self-amputated bilateral testis by a patient with schizophrenia**

**Il Young Ahn**

Department of Plastic and Reconstructive Surgery, Chung-Ang University Hospital, Chung-Ang University College of Medicine, Seoul, Korea

**FP10-2 Three cases of free anterolateral thigh flap reconstruction after extensive debridement for deep neck abscess**

**Kenta Ikushima**

Department of Plastic Surgery and Aesthetic Surgery, Tokushima University Hospital, Tokushima, Japan

**FP10-3 The Clothoid Curved Surgical Needle: A New Alternative in Microsurgery**

**Kazunobu Hashikawa**

Department of Plastic and Reconstructive Surgery, Nagoya University, Aichi, Japan

**FP10-4 Free flap monitoring using subcutaneous microscopy by detecting capillary transformation.**

**Takashi Kurabayashi**

Plastic Surgery, Dokkyo Medical University, Japan

May 29 (Mon) 16:16–16:48

Room 4

## Free Paper 11

### Microsurgery 2

Moderator: Kazunobu Hashikawa (Department of Plastic and Reconstructive Surgery, Nagoya University Graduate School of Medicine)

**FP11-1 Ischemic Time in Free-Flap Surgery With Arteriovenous Bundle Interposition Graft: Comparison of Two Anastomosis Sequences**

**Tae-Gon Kim**

Department of plastic and reconstructive surgery, Yeungnam University college of medicine, Daegu, Republic of Korea

**FP11-2 The Utility of Intraoperative High-Resolution Color Doppler Ultrasonography in Free Perforator Flap Planning for Efficient Flap Harvest and Reducing Flap Complications**

**Sanghun Lee**

Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea



**FP11-3 Microvascular anastomotic aneurysm after free jejunal transfer: case report**

**Ryota Nakamura**

The Department of Plastic and Reconstructive Surgery, Aichi Cancer Center, Aichi, Japan

**FP11-4 Twin tower-shaped anastomosis: Two comitant veins anastomosed to a single recipient vein in end-to-end fashion**

**Hiroshi Ito**

Department of Surgery, Plastic and Reconstructive Surgery Division, University of Miyazaki Faculty of Medicine, Miyazaki, Japan

**May 29 (Mon) 16:48–17:20**

**Room 4**

**Free Paper 12**

**Facial Palsy**

Moderator: Ken Matsuda (Department of Plastic and Reconstructive Surgery, Niigata University)

**FP12-1 Surgical treatment for Oculopharyngodistal myopathy patient with facial muscle weakness**

**Sho Arakaki<sup>1,2</sup>**

<sup>1</sup>Department of Plastic & Reconstructive Surgery and Maxillofacial Surgery Kurume University, School of Medicine, <sup>2</sup>Department of Plastic and Reconstructive Surgery, Saga University School of Medicine

**FP12-2 Lengthening Temporalis Myoplasty using an intraoral approach for incomplete facial paralysis**

**Ayato Hayashi**

Department of plastic and reconstructive surgery, Yokohama city university, Yokohama, Japan

**FP12-3 Double powered free gracilis muscle transfer for long standing facial palsy**

**Miyuki Uehara**

Department of Plastic Surgery, Oita University Hospital

**FP12-4 Lower Lip Lifting Aid with Hammock-like Fascia Graft**

**Hayato Hanada**

Department of Plastic and Reconstructive Surgery, Toho University Sakura Medical Center, Chiba, Japan

May 29 (Mon) 17:20–17:44

Room 4

## Free Paper 13

### Laser

Moderator: Youkou Ohmaru (Ohmaru Plastic Surgery Clinic)

**FP13-1 Treatment of melasma using a combination of CO2 laser and Q-switched ruby laser**

**Jeong Do Park**

Department of Plastic and Reconstructive Surgery, Soonchunhyang University Gumi Hospital, Gyeongsangbuk-do, Republic of Korea

**FP13-2 A novel method for objective color evaluation of capillary malformation: the challenge to predict how effective the next laser treatment will be.**

**Akana Nishimoto**

The Department of Plastic and Reconstructive Surgery, Nippon Medical School Musashi-Kosugi Hospital, Kanagawa, Japan

**FP13-3 What Are the Factors That Induce Paradoxical Hypertrichosis After Laser Hair Removal?**

**Hiroshi Nishioka**

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

May 29 (Mon) 17:44–18:24

Room 4

## Free Paper 14

### Wound Healing

Moderator: Miki Fujii (Department of Plastic and Reconstructive Surgery, Juntendo University School of Medicine, Tokyo, Japan / Division of Regenerative Therapy, Juntendo University Graduate School of Medicine, Tokyo, Japan)

**FP14-1 A new LDLA therapy for ischemic wound**

**kengo matumoto**

Department of OITA Oka hospital woundcare center, Oita, Japan

**FP14-2 A case study of burn treatment using RECELL.**

**Keito Nagasaki**

Plastic and Reconstructive Surgery, Nihon University, Tokyo, Japan

**FP14-3 Micrografting strategy for abdominal refractory skin ulcer associated with SSI: Four case reports**

**Kyoko Baba<sup>1,2</sup>**

<sup>1</sup>Department of Plastic Surgery, Kitasato University Medical Center, Saitama, Japan, <sup>2</sup>Department of Plastic and Aesthetic Surgery, Kitasato University School of Medicine

**FP14-4 Artificial Dermal Sandwich Method in the Treatment of Burns**

**Koji Hara**

Plastic and Reconstructive surgery, University of Tohoku, Miyagi, Japan

**FP14-5 (Withdraw)**

**May 30 (Tue) 14:45–15:17**

**Room 2**

**Free Paper 15**

**Hand 1**

Moderator: Byung Jun Kim (Seoul National University)

**FP15-1 The Effect of Steroid and Mannitol Combination Therapy on Post-operative Recovery in Multiple Metacarpal Bone**

**Jongweon Shin**

Department of Plastic and Reconstructive Surgery, College of Medicine, The Catholic University of Korea

**FP15-2 Simulation of anemia from phlebotomies with medical leeches for venous congestion after digit replantation surgery in children**

**Risa Sawaguchi**

The Department of Plastic and Reconstructive Surgery, Shinshu University, Nagano, Japan

**FP15-3 Lower temperature burn on replanted fingers and free flaps in hand**

**Jinmyung Yoon**

Department of Plastic & Reconstruction Surgery, Inha University School of Medicine, Incheon, Korea

**FP15-4 The Krukenberg Operation for a Blind Bilateral Forearm Amputee after an Extensive Burn Injury: Long-term Follow-up**

**Yoshihiro Takami<sup>1,2</sup>**

<sup>1</sup>Department of Plastic Surgery, Kitatama Hospital, <sup>2</sup>Department of Plastic, Reconstructive and Aesthetic Surgery, Nippon Medical School

**May 30 (Tue) 15:17–15:49**

**Room 2**

**Free Paper 16**

**Hand 2**

Moderator: Hirohisa Kusuhara (Department of Plastic and Reconstructive Surgery Kindai University Faculty of Medicine)

**FP16-1 Strategy for the claw nail deformity of nail**

**Mikio Yagishita**

Kanazawa Medical University, Ishikawa, Japan

**FP16-2 Multiple Digit Resurfacing with a Lateral Thoracic Free Flap: Two-stage Mitten Hand and Division Procedures****Youn Hwan Kim**

Department of Plastic and Reconstructive Surgery, College of Medicine, Hanyang University, Seoul, Korea

**FP16-3 Reconstruction of multiple digital defects by temporary syndactylization using a lateral arm free flap****Jinmyung Yoon**

Department of Plastic &amp; Reconstruction Surgery, Inha University School of Medicine, Incheon, Korea

**FP16-4 Modified Mini-Keystone Flaps for Coverage of Tiny Volar Pulp Defects of the Fingertips in Cases with Missing Amputation Skin Stumps****Byung Woo Yoo**

Department of Plastic and Reconstructive Surgery, Kangbuk Samsung Hospital, Sungkyunkwan University School of Medicine, Seoul, Korea

**May 30 (Tue) 8:30–9:26****Room 3****Free Paper 17****Craniofacial Surgery 1**

Moderator: Jong Woo Choi (University of Ulsan)

**FP17-1 Characterization of Cranial Growth Pattern Using Craniometric Parameters and Best-Fit Logarithmic Growth Curves****Sungmi Jeon**

Department of Plastic and Reconstructive Surgery, Seoul Metropolitan Government-Seoul National University Boramae Medical Center, Seoul, Korea.

**FP17-2 Characterization of Spheno-occipital Sychondrosis Fusion using Chronologic Age and Cervical Vertebrae Maturation Index from Pre-adolescents to Young Adults****Sungmi Jeon**

Department of Plastic and Reconstructive Surgery, Seoul Metropolitan Government-Seoul National University Boramae Medical Center, Seoul, Korea.

**FP17-3 A Case of Surgical Intervention in an Adult with Untreated Crouzon Syndrome****Sotatsu Fukuyama**

Plastic Surgery, Teikyo University, Tokyo, Japan

**FP17-4 Extended indications of expansion orbitotomy in complex blowout fractures****YongHa Kim**

Department of Plastic and Reconstructive Surgery, College of Medicine, Yeungnam University, Daegu, Korea

**FP17-5 Analysis of the canthal dystopia associated with the swinging eyelid procedure****Kazuhisa Uemura**

Department of Plastic and Reconstructive Surgery, Wakayama Medical University, Wakayama, Japan

**FP17-6 Usefulness of transconjunctival approach with paracanthal extension to the inferior orbital wall fracture combined with infraorbital rim**

**Seo Koo Lee**

Department of Plastic and Reconstructive Surgery, Soonchunhyang University Bucheon Hospital,

**FP17-7 Orbital fractures requiring immediate repair: a retrospective study of 7 cases**

**Nariaki Takamura**

Plastic and Reconstructive Surgery, University of Tohoku, Sendai, Japan

**May 30 (Tue) 9:26–10:22**

**Room 3**

**Free Paper 18**

**Craniofacial Surgery 2**

Moderator: Akihiko Oyama (Department of Plastic and Reconstructive Surgery, Fukushima Medical University)

**FP18-1 A TPF Pocket Method -The accumulation of experience-**

**Takashi Kurabayashi**

Plastic Surgery, Dokkyo Medical University, Tochigi, Japan

**FP18-2 Experience of early mandibular distraction osteogenesis for microgenia with severe obstructive sleep apnea syndrome**

**Makiko Yamauchi<sup>1,2</sup>**

<sup>1</sup>Department of Plastic and Reconstructive Surgery, Fujita Health University, Aichi, Japan, <sup>2</sup>Department of Pediatric Dentistry and Orthodontics, Fujita Health University, Aichi, Japan

**FP18-3 Traction therapy using an internal bone distraction device for the treatment of intractable bony ankylosis of the temporomandibular joint**

**Mine Ozaki**

Department of Plastic Surgery, Kyorin University school of Medicine, Tokyo, Japan

**FP18-4 Reduction malarplasty with pivot locking fixation**

**Hwayoung Oh**

HUMAN PLASTIC SURGERY

**FP18-5 Prevalence and Risk of Premature Births for Cleft Lip and/or Palate: A Nationwide Population-based Cohort Study in Korea**

**Tae Hyun Park**

Department of Plastic and Reconstructive Surgery, School of Medicine, Kyungpook National University

**FP18-6 Comparison of the surgical outcomes between two-flap palatoplasty with a buccinator musculomucosal flap and conventional two-flap palatoplasty in Japanese patients**

**Kiichiro Yaguchi**

Department of Plastic and Reconstructive Surgery, Nagano Childrens Hospital

**FP18-7** (Withdraw)

**May 30 (Tue) 10:22–11:18**

**Room 3**

**Free Paper 19**

## **General Reconstruction 1**

Moderator: Keigo Morinaga (Department of Plastic and Reconstructive Surgery and Maxillofacial Surgery, Kurume University School of Medicine, Kurume, Japan)

**FP19-1** **Delayed procedure for prevention of post-thoracotomy infection in a patient with a history of a radical mastectomy and chest wall irradiation**

**Shinichi Higuchi**

Department of Plastic and Reconstructive surgery, Nagoya University Graduate School of Medicine

**FP19-2** **Chest wall reconstruction after resection of dermatofibrosarcoma protuberans with fibrosarcomatous change using latissimus dorsi myocutaneous flap and a polytetrafluoroethylene prosthetic patch**

**Shunnichi Oide**

Department of Plastic Surgery, KKR Tonan Hospital, Sapporo, Japan

**FP19-3** **Huge Supraclavicular Ancient Schwannoma Derived from Brachial Plexus**

**Matoku Nomaguchi**

Tokyo Women's Medical University

**FP19-4** **Superior epigastric artery perforator propeller flap for reconstruction of deep sternal wound infection combined chronic osteomyelitis: A case report**

**Seung Heo**

Department of Plastic and Reconstructive Surgery, Myong-ji Hospital, Goyang si, Korea.

**FP19-5** **Analysis of the Chest Wall Reconstruction Methods after Malignant Tumor Resection**

**Taejun Park**

Department of Plastic and Reconstructive Surgery, Inha University Hospital, Incheon, Korea

**FP19-6** **Evaluation of the Intraoperative Blood Flow For The Segmental Pectoralis Major Turn-over Flap using Indocyanine Green Fluorescence Angiography**

**Hideyoshi Sato**

The Department of Plastic and Reconstructive Surgery, Nagoya City University, Nagoya, Japan

**FP19-7** **I want to eliminate people who are bothered by the shape of their breasts with pectus excavatum as the mainstay of my practice**

**Tomoki Miyanagi**

Department of Plastic, Reconstructive, and, Aesthetic Surgery, Chiba University Graduate School of Medicine

May 30 (Tue) 11:18–12:14

Room 3

Free Paper 20

General Reconstruction 2

Moderator: Sae Hwi Ki (Inha University)

**FP20-1 Pre and postoperative satisfaction surveys on labia minora reduction surgery**

**Ayumi Suzuki**

Department of Plastic Surgery of saitama medical center, Saitama medical University, Saitama, Japan

**FP20-2 A case of burn scar carcinoma with sacral invasion reconstructed using the gluteus maximus muscle turnover flap**

**Riku Ishii**

Department of Plastic and Reconstructive Surgery, Faculty of Medicine, Hokkaido University

**FP20-3 Anatomical Study of the Internal Pudendal Artery and its Skin Perforator with Computed Tomography Angiography**

**Shinji Nagasaka**

Department of Plastic Surgery, and Aesthetic Surgery, Tokushima University Hospital

**FP20-4 A case report of back electrical injury sustained by a high-frequency melting furnace system**

**Hiroko Ishii**

Department of Plastic and Reconstructive Surgery, Faculty of Medicine, Hokkaido University, Hokkaido, Japan

**FP20-5 The ideal donor-site closure method of the rectus abdominis myocutaneous flap; A comparative study for absorbable barbed continuous versus non-absorbable non-barbed interrupted suture**

**Daiki Kitano<sup>1,2</sup>**

<sup>1</sup>Department of Plastic Surgery, Kobe University Graduate School of Medicine, Kobe, Japan, <sup>2</sup>Department of Plastic and Pediatric Plastic Surgery, Yodogawa Christian Hospital, Osaka, Japan

**FP20-6 Modified Keystone Perforator Island Flap for Tension-Reducing Coverage of Axillary Defects Secondary to Radical Excision of Chronic Inflammatory Skin Lesions: A Retrospective Case Series**

**Byung Woo Yoo**

Department of Plastic and Reconstructive Surgery, Kangbuk Samsung Hospital, Sungkyunkwan University School of Medicine, Seoul, Korea

**FP20-7 Ideal scrotal reconstruction**

**Shota Suda**

Shimane University, Faculty of Medicine, Division of Plastic and Reconstructive Surgery

May 30 (Tue) 13:45–14:33

Room 3

Free Paper 21

Leg Ulcer

Moderator: Tetsuji Uemura (Department of Plastic Reconstructive Surgery, Saga University Hospital)

**FP21-1 DNA Methylation Profiling for the Prediction of Recurrences and Prognosis in Patients with Diabetic Foot Ulcers**

**Sik Namgoong**

Department of Plastic Surgery, Korea University College of Medicine, Seoul, Korea

**FP21-2 A case of foot ulceration caused by neuropathy associated with eosinophilic granulomatosis with polyangiitis**

**Riku Ishii**

Department of Plastic and Reconstructive Surgery, Faculty of Medicine, Hokkaido University

**FP21-3 Comparison newly developed DIRECT coding system with five existing classification systems about prediction of amputation in diabetic foot ulcer**

**Hwan Jun Choi**

Department of Plastic and Reconstructive Surgery, College of Medicine, Soonchunhyang University Cheonan

**FP21-4 Direction change in a distal bypass graft due to increased collateral perfusion after the free flap transfer: a case report**

**Dongkyung Seo**

Department of Plastic and Reconstructive Surgery, Sapporo City General Hospital, Sapporo, Japan

**FP21-5 A case of lower leg ulcer caused by immune checkpoint inhibitor-related vasculitis.**

**Dongkyung Seo**

Department of Plastic and Reconstructive Surgery, Faculty of Medicine, Hokkaido University, Sapporo, Japan

**FP21-6 7 years experience of micronized acellular dermal matrix for diabetic foot ulcer; efficacy and recurrence rate**

**Je Yeon Byeon**

The Department of Plastic and Reconstructive Surgery, University of Soonchunhyang, Cheonan, South Korea



May 30 (Tue) 14:33–15:05

Room 3

## Free Paper 22

### Skin Tumor

Moderator: Taku Maeda (Department of Plastic and Reconstructive Surgery, Faculty of Medicine, The University of Hokkaido)

#### FP22-1 Multiple pilomatricoma : Prevalance and clinical features

Sunghun Lee

Department of Plastic and Reconstructive Surgery, School of Medicine, Pusan National University Yangsan Hospital, Yangsan, Korea

#### FP22-2 Long-term outcomes of 21 cases treated with the reused skin graft technique for pyoderma chronica

Masahiro Hojo

Department of Plastic and Reconstructive Surgery, Faculty of Medicine, Graduate School of Medicine, Hokkaido University Hospital, Hokkaido, Japan

#### FP22-3 Appropriate surgical margins for excision of squamous cell carcinoma of the lower lip

Jung Hyun Hong

Department of Plastic and Reconstructive Surgery, Pusan National University, School of Medicine, Busan, Korea

#### FP22-4 Difficulty in Determining the Resection Site for Clear Cell Carcinoma of the Right Little Finger: A Case Report

Mizuki Tanaka

Department of Plastic and Aesthetic Surgery, Kitasato University School of Medicine, Kanagawa, Japan

May 30 (Tue) 15:05–15:45

Room 3

## Free Paper 23

### Device and Technology

Moderator: Shunjiro Yagi (Department of Plastic and Reconstructive Surgery, Tottori University Faculty of Medicine)

#### FP23-1 Usability of 3D camera in free fat injection cases

Satoshi Takagi

Department of Plastic and Reconstructive Surgery, Fukuoka University, Fukuoka, Japan

#### FP23-2 The recent advancements in the field of plastic surgery and the the proper attitudes we should adopt to move forward

Chihyun Lee

Department of Plastic and Reconstructive Surgery, Pusan National University, School of Medicine, Busan, Korea

#### FP23-3 Muze: An App for Visualizing Flap Design and Suture Lines in Flap Surgery

Kyohei Kawata

Osaka metropolitan university hospital Plastic and reconstructive Surgery

**FP23-4 The most far-away test: Simulated teleconsultation in an Antarctic station using extended reality technology**

**Eojin Yi**<sup>1,2,3</sup>

<sup>1</sup>Seoul AI School, aSSIST University, Seoul, Korea, <sup>2</sup>Department of Plastic and Reconstructive Surgery, Yonsei University College of Medicine, Seoul, Korea, <sup>3</sup>Korean Society of Polar Medicine, Seoul, Korea

**FP23-5 Comparison of Antera 3D and TcPO2 for Evaluation of Blood Flow in Skin**

**Kento Ikuta**

Department of Plastic and Reconstructive Surgery, Tottori University, Yonago, Japan

**May 30 (Tue) 8:30–9:10**

**Room 4**

**Free Paper 24**

**Basic Research 1**

Moderator: Ji-Ung Park (Seoul National University)

**FP24-1 In vivo study of vascular endothelial growth factor on wound healing of rats**

**Si Hyun Kwak**

Department of Plastic and Reconstructive Surgery, College of Medicine, Soonchunhyang University Cheonan

**FP24-2 Development of BMP-loaded bioabsorbable microspheres with calcium-binding polymer-coating for high-efficiency bone regeneration**

**Yong Uk Jung**

Department of Plastic and Reconstructive Surgery, Seoul National University College of Medicine, Seoul National University Boramae Medical Center, Seoul, Republic of Korea

**FP24-3 Co-culture of Umbilical Cord derived Mesenchymal Stem Cells (UCMSCs) and Schwann cells improved Neurogenic differentiation.**

**Kyoko Baba**<sup>1,2</sup>

<sup>1</sup>Department of Plastic Surgery, Kitasato University Medical Center, Saitama, Japan, <sup>2</sup>Department of Plastic and Aesthetic Surgery, Kitasato University School of Medicine

**FP24-4 Impact of young and aged adipose-derived stem cells in murine model of cell-assisted lipotransfer**

**Jaewoo Kim**

Department of Plastic and Reconstructive Surgery, Seoul National University College of Medicine, Seoul, South Korea

**FP24-5 Basic research of skin and soft tissue regenerative medicine for adipose-derived stem cells in the treatment of radiation dermatitis/ulcer**

**Zhixiang Lin**

Department of Plastic and Reconstructive Surgery, University of Tsukuba, Ibaraki, Japan

May 30 (Tue) 9:10–9:58

Room 4

Free Paper 25

Basic Research 2

Moderator: Yoshihiro Sowa (Department of Plastic and Reconstructive Surgery Graduate School of Medicine and Faculty of Medicine, Kyoto University)

**FP25-1 Factors affecting survival rate in fat embolism**

**Jeong Jin Park**

Department of Plastic and Reconstructive Surgery, Kosin University, Busan, South Korea

**FP25-2 An Experimental Model for Lymphedema in Swine: A Comparative Study**

**Kyung-Chul Moon**

Department of Plastic Surgery, Korea University College of Medicine, Seoul, South Korea

**FP25-3 Improved Moldability and Elasticity of Chitosan-based Dermal Filler**

**Yung-Hoon Kim**

Department of Plastic and Reconstructive Surgery, Seoul National University College of Medicine, Seoul National University Boramae Medical Center, Seoul, Republic of Korea

**FP25-4 Effect of topical tranexamic acid on seroma formation in a rat mastectomy model**

**Jung Ho Lee**

Department of Plastic and Reconstructive Surgery, School of Medicine, Kyungpook National University

**FP25-5 Quantitative Morphological Analysis of Cranial Vault in Twist1+/- Mice: Implications in Craniosynostosis**

**Takashi Nuri**

Plastic and Reconstructive Surgery, Osaka Medical and Pharmaceutical University

**FP25-6 Security Comparison of Various Surgical Knots in Suture**

**SooA Lim**

DongGuk University Ilsan Hospital

May 30 (Tue) 9:58–10:54

Room 4

Free Paper 26

Lymphatic Disorder 1

Moderator: Shinsuke Akita (Department of Plastic, Reconstructive and Aesthetic Surgery, Graduate School of Medicine, Chiba University, Chiba, Japan)

**FP26-1 Difference in lymphedematous change between inguinal lymphadenectomy and inguino-pelvic lymphadenectomy in patients with skin cancer of the lower extremity**

**Taku Maeda**

The Department of plastic and reconstructive surgery, University of Hokkaido, Hokkaido, Japan

**FP26-2 First experience of lymphaticovenular anastomosis using BHC Robotiscope****Dong-Jin Kim**

Department of Plastic &amp; Reconstructive Surgery, Korea University, Seoul, Korea

**FP26-3 Lymphatico-Venous Anastomosis for Lymphedema Cases - The Challenge in Our Hospital -****Kenshin Sai**

Minami-Osaka General Hospital, Dept. of PRS

**FP26-4 Lymphoscintigraphy for the Prediction of the Effect of Lymphaticovenular Bypass****Takashi Nuri**

Plastic and Reconstructive Surgery, Osaka Medical and Pharmaceutical University

**FP26-5 Intra-abdominal lymphovenous anastomosis: a novel treatment for chylous ascites associated with abdominal lymphatic malformation****Ryohei Ishiura**

Plastic and reconstructive surgery, Mie university hospital, Mie, Japan

**FP26-6 Treatment of refractory chylous ascites with Lymphaticovenous anastomosis on the greater omentum; A case repor****Masahiro Hojo**

Department of Plastic and Reconstructive Surgery, Faculty of Medicine, Graduate School of Medicine, Hokkaido University Hospital, Hokkaido, Japan

**FP26-7 Dual Imaging Lymphangiography and Intraperitoneal Lymphaticovenular Anastomosis Guided Treatment of Infantile Chylothorax****Kohei Mitsui**

Department of Plastic and Reconstructive Surgery, Mie University, Mie, Japan

**May 30 (Tue) 10:54–11:50****Room 4****Free Paper 27****Lymphatic Disorder 2**

Moderator: Ki Yong Hong (Seoul National University)

**FP27-1 Prophylactic effects of vascularized lymph node transplantation and topical Tacrolimus after rabbit hind limb lymph node excision****Hyung Chul Lee**

Korean University Anam Hospital

**FP27-2 Lymphatic reconnection and restoration of lymphatic flow by non-vascularized lymph node transplantation****Taku Maeda**

The department of plastic and reconstructive surgery, University of Hokkaido, Hokkaido, Japan

**FP27-3 Clinical Efficacy and Histological Evaluation of Stromal Vascular Fraction and Vascularized Lymph Node Transfer Combination Therapy in Rabbit Hindlimb Lymphedema Model****Haneul Kim**

Department of Plastic and Reconstructive Surgery, Korea University College of Medicine, Seoul, Republic of Korea

**FP27-4 Restoration of lymph flow by flap transfer can prevent severe lower extremity lymphedema after inguion-pelvic lymphadenectomy****Taku Maeda**

The department of plastic and reconstructive surgery , University of Hokkaido, Hokkaido, Japan

**FP27-5 Development of Limb Lymphedema and Changes in the Extracellular Water Ratio****Yoshichika Yasunaga**

Division of Plastic and Reconstructive Surgery, Shizuoka Cancer Center, Nagaizumi, Japan

**FP27-6 Intranodal lymphangiography with lipiodol as a diagnostic and therapeutic approach for spontaneous cervical chyle leak****Yuki Sasaki<sup>1,2</sup>**<sup>1</sup>Department of Plastic and Reconstructive Surgery, Faculty of Medicine, Hokkaido University, <sup>2</sup>Center for Vascular Anomalies, Department of Plastic and Reconstructive Surgery, Tonan Hospital**FP27-7 A novel LVA training model using the rat efferent lymphatic plexus of the mesenteric lymph node for multiple stages of lymphedema.****Ryohei Ishiura**

Plastic and reconstructive surgery, Mie university hospital, Mie, Japan

**May 30 (Tue) 11:50–12:30****Room 4****Free Paper 28****Extremity Reconstruction**

Moderator: Kenichi Shimada (Kanazawa Medical University)

**FP28-1 Complicated Iatrogenic Lower Limb Wounds Reconstruction after Secondary Popliteal Artery Revascularization****Hyonsurk Kim**

Department of Plastic and Reconstructive Surgery, Dankook University Hospital, Cheonan, Chungnam, Republic of Korea

**FP28-2 Retrospective assessment about Gustilo IIIB open leg fracture treatment using free flap transfer****Hitomi Hiraishi**

Department of Plastic Surgery, University of Oita, Oita, Japan

**FP28-3 Treatment for calcaneal osteomyelitis with pseudoarthrosis with a free fibular osteocutaneous flap: A Case Report****Toru Miyanaga**

Department of Plastic Surgery; Kanazawa Medical University, Ishikawa, Japan

**FP28-4 Negative Pressure Wound Therapy Under Reverse Sural Flap: A Modified Delay Method****Hyonsurk Kim**

Department of Plastic and Reconstructive Surgery, Dankook University Hospital, Cheonan, Chungnam, Republic of Korea

**FP28-5 Strategy for resurfacing complex extremity defect with chimeric, linked flaps: a review with a ten-year experience at major trauma center****Youn Hwan Kim**

Department of Plastic and Reconstructive Surgery, Hanyang University College of Medicine, Seoul