

## Sunday, July 7 [Room 5]

### ■ 9 : 00 ~ 9 : 30 Oral Presentation (English) 1 Case, Implant

Chairperson: Jacob John (Universiti Malaya)

- EO-1 Comparative evaluation of osseodensification drilling/osteotomy versus conventional drilling/osteotomy technique on dental implant stability: A systematic review  
Role of the drilling mechanism towards achieving Implant stability  
○Dolanchanpa Dasgupta  
(Department of Prosthodontics Kusum Devi Sunderlal Dugar Jain Dental College Hospital)
- EO-2 Full-arch implant treatment for patients with insufficient bone volume for a stable long-term prognosis  
○Tatsuaki Matsunaga<sup>1,2</sup>, Yuichiro Yamaguchi<sup>2</sup>, Naoyuki Kaga<sup>2</sup>, Yu Takaesu<sup>2</sup>, Takashi Matsuura<sup>2</sup>  
(<sup>1</sup>Matsunaga Dental Clinic, <sup>2</sup>Fukuoka Dental College Department of Oral Rehabilitation, Section of Fixed Prosthodontics)
- EO-3 All-on-4 reconstructive therapy using ZAGA-flat implant: A case report  
○Kohji Nagata<sup>1,2</sup>  
(<sup>1</sup>Department of Advanced Prosthodontics, Graduate School of Tokyo Medical and Dental University, <sup>2</sup>Asclapia Medical and Dental Group)

### ■ 9 : 30 ~ 10 : 00 Oral Presentation (English) 2 TMD, Oral function

Chairperson: Anthony Gutierrez (Emilio Aguinaldo College)

- EO-4 Relationship between TMD-related symptoms and personal computer use, psychosocial factors, and behavioral factors in Japanese working population  
○Fares Raafat Elsayed Mohamed Moustafa<sup>1</sup>, Kenji Fueki<sup>1</sup>, Akira Nishiyama<sup>2</sup>, Hiroyuki Ishiyama<sup>1</sup>  
(<sup>1</sup>Department of Masticatory Function and Health Science, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University (TMDU), <sup>2</sup>Department of General Dentistry, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University (TMDU))
- EO-5 Guided self-care apps for temporomandibular disorders: Accessibility and Effectivity  
○Ricca Chairunnisa  
(Doctor of Dental Medicine Program, Faculty of Dentistry, Universitas Sumatera Utara)
- EO-6 Validation of a Mongolian version of the Geriatric Oral Health Assessment Index (GOHAI-MGL) in elderly  
○Munkhjargal Gantumur<sup>1</sup>, Ariuntuya Tsagaan<sup>1</sup>, Solongo Ganzorig<sup>1</sup>, Jacob John<sup>2</sup>, Sapaar Bayarmagnai<sup>1</sup>, Amarsaikhan Bazar<sup>1</sup>  
(<sup>1</sup>Department of Prosthodontics, School of Dentistry, Mongolian National University of Medical Sciences, <sup>2</sup>Department of Restorative Dentistry Universiti Malaya)

■ 10 : 00 ~ 10 : 30 Oral Presentation (English) 3 Finite Element Analysis

Chairperson: Amarsaikhan Bazar (Mongolian National University of Medical Sciences)

- EO-7 In silico nonlinear dynamic finite element analysis for the evaluation of fracture toughness in zirconia ceramics  
○Okkar Kyaw<sup>1)</sup>, Masanao Inokoshi<sup>1)</sup>, Satoshi Yamaguchi<sup>2)</sup>, Shunsuke Minakuchi<sup>1)</sup>  
(<sup>1)</sup>Department of Gerodontology and Oral Rehabilitation, Graduate School of Medical and Dental Sciences, Tokyo Medical And Dental University, <sup>2)</sup>Department of Dental Biomaterials, Graduate School of Dentistry, Osaka University)
- EO-8 Occlusal distribution between conventional metal framework and silicon-based partially removable dental prosthesis: A finite element study  
○Mervin Sam Econ Econ<sup>1,2,3)</sup>  
(<sup>1)</sup>Philippine Prosthodontic Society, <sup>2)</sup>Royal Institute of Singapore - Dentistry, <sup>3)</sup>Pierre Fauchard Academy Philippines)
- EO-9 Principal strains in the bone around an implant supporting a restoration fabricated using a fully digital workflow: A 3D finite element analysis  
○Roxana Stegaroiu<sup>1)</sup>, Koichi Kurokawa<sup>1)</sup>, Yoshiaki Arai<sup>2)</sup>, Yuta Yamazaki<sup>2)</sup>, Shigeo Tanaka<sup>3)</sup>  
(<sup>1)</sup>Niigata University Graduate School of Medical and Dental Sciences, Department of Oral Health and Welfare, <sup>2)</sup>Niigata University Medical and Dental Hospital, Oral Implant Clinic, <sup>3)</sup>Kanazawa University Institute of Science and Engineering, Bioengineering Laboratory)

■ 10 : 40 ~ 11 : 10 Oral Presentation (English) 4 Biology, Implant

Chairperson: Seong-Kyun Kim (Seoul National University)

- EO-10 Recruitment of remote bone marrow-derived cells to the implant surface immediately after implant installation  
○Tong Tong Zhang, Masako Nagasawa, Yu Yamamoto, Hikaru Koide, Chuta Kooanantkul, Tun Nila, Katsumi Uoshima  
(Division of Bio-Prosthodontics, Department of Oral Health Science, Faculty of Dentistry & Graduate School of Medical and Dental sciences, Niigata University)
- EO-11 Stem cells application for dental implant osseointegration in medically compromised condition : An in vivo study  
○Merina Dwi Pangastuti<sup>1)</sup>, Nike Hendrijantini<sup>2)</sup>, Mefina Kuntjoro<sup>2)</sup>, Bambang Agustono<sup>2)</sup>, Nurani Atikasari<sup>1)</sup>  
(<sup>1)</sup>Universitas Airlangga, Faculty of Dental Medicine, Residency Program in Department of Prosthodontic, <sup>2)</sup>Universitas Airlangga, Faculty of Dental Medicine, Department of Prosthodontic)
- EO-12 Effects of controlled overexpression of amelod on ameloblast differentiation of induced pluripotent stem cells  
○Naruephorn Vinaikosol, Hiroko Okawa, Hiroshi Egusa  
(Molecular and Regenerative Prosthodontics, Graduate School of Dentistry, Tohoku University)

■ 11 : 10 ~ 11 : 40 Oral Presentation (English) 5 Case, Dental prostheses

Chairperson: June-Sung Shim (Yonsei University)

- EO-13 Use of digital technology in maxillofacial prosthetic treatment on cleft-lip and palate patients with severe periodontitis: A case report.  
○Yuki Mouri, Mai Murase, Satoshi Matsui, Noriyuki Wakabayashi  
(Department of Advanced Prosthodontics, Graduate School, Tokyo Medical and Dental University)
- EO-14 Full mouth rehabilitation treatment for posterior bite collapse in patient with autoimmune disease: A prosthodontic approach  
○Made Shintya Danaswari<sup>1)</sup>, Nike Hendrijantini<sup>2)</sup>, Mefina Kuntjoro<sup>2)</sup>, Bambang Agustono<sup>2)</sup>, Kevin Young<sup>1)</sup>  
(<sup>1)</sup>Universitas Airlangga, Faculty of Dental Medicine, Residency Program in Department of Prosthodontic, Surabaya, Indonesia, <sup>2)</sup>Universitas Airlangga, Faculty of Dental Medicine, Department of Prosthodontic, Surabaya, Indonesia)
- EO-15 Prosthetic rehabilitation of auricular defects using various retentive aids - A case series  
○Richa Ranjan Sahai<sup>1)</sup>, Sumeet Vishnudutt Jalan<sup>2)</sup>  
(<sup>1)</sup>Ranjeet Deshmukh Dental College & Research Centre, Nagpur, Maharashtra, India, <sup>2)</sup>Nair Dental College & Hospital, Mumbai, Maharashtra, India)

■ 11 : 40 ~ 12 : 10

Oral Presentation (English) 6 Removable prosthodontics, Dental material 1

Chairperson: Sunjai Kim (Yonsei University)

- EO-16 Evaluation of connection between Co-Cr retainer alloy and denture base resin fabricated with CAD/CAM technology  
○Kosei Ito<sup>1)</sup>, Akinori Tasaka<sup>1)</sup>, Takesi Hirabayashi<sup>2)</sup>, Shinji Takemoto<sup>3)</sup>, Shuichiro Yamashita<sup>1)</sup>  
(<sup>1)</sup>Department of Removable Partial Prosthodontics, Tokyo Dental College, <sup>2)</sup>Dental Laboratory, Tokyo Dental College Suidobashi Hospital, <sup>3)</sup>Department of Biomedical Engineering, Iwate Medical University)
- EO-17 Contemporary magnetic removable partial denture system utilizing ultra-thin magnetic attachment  
○Adityakrisna Yoshi Putra Wigianto, Yuichi Ishida, Tetsuo Ichikawa  
(Department of Prosthodontics and Oral Rehabilitation, Graduate School of Oral Sciences, Tokushima University)
- EO-18 Current and future trends in the teaching of removable partial dentures in dental schools in Malaysia  
○Liang Lin Seow<sup>1)</sup>, Umer Daood<sup>1)</sup>, Preena Sidhu<sup>1)</sup>, Nafij Jamayet<sup>1)</sup>, Igor Blum<sup>2)</sup>, Christopher Lynch<sup>4)</sup>, Nairn HF Wilson<sup>3)</sup>  
(<sup>1)</sup>School of Dentistry, IMU University, <sup>2)</sup>Dental Faculty, King's College London, United Kingdom, <sup>3)</sup>General College of Dentistry, United Kingdom, <sup>4)</sup>Cork University Dental School)

■ 13 : 10 ~ 13 : 40

Oral Presentation (English) 7 Removable prosthodontics, Dental material 2

Chairperson: Siti Mariam Ab Ghani (Universiti Teknologi MARA)

- EO-19 Shear bond strength to denture base resin of novel hard relining material containing S-PRG filler  
○Akiho Sunami<sup>1)</sup>, Masanao Inokoshi<sup>1)</sup>, Muneaki Tamura<sup>2)</sup>, Rena Takahashi<sup>3)</sup>, Keita Hatano<sup>1)</sup>, Shunsuke Minakuchi<sup>1)</sup>  
(<sup>1)</sup>Department of Gerodontology and Oral Rehabilitation, Division of Gerontology and Gerodontology, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University, <sup>2)</sup>Department of Microbiology and Immunology, Nihon University School of Dentistry, <sup>3)</sup>Department of Cariology and Operative Dentistry, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University)
- EO-20 Photographic color evaluation of pigmented silicone elastomer with and without filler infusion subjected to tropical climate  
○Nafij Bin Jamayet<sup>1)</sup>, Farah Rashid<sup>2)</sup>, Aparna Barman<sup>5)</sup>, Pravinkumar G. Patil<sup>3)</sup>, Taseef Hasan Farook<sup>2)</sup>, Sumaiya Zabin Eusufzai<sup>4)</sup>  
(<sup>1)</sup>Division of Restorative Dentistry, School of Dentistry, International Medical University, <sup>2)</sup> Adelaide Dental School, The University of Adelaide, <sup>3)</sup>Division of Restorative Dentistry, School of Dentistry, International Medical University, <sup>4)</sup>School of Dental Sciences, Universiti Sains Malaysia, <sup>5)</sup>School of Dental Sciences, Universiti Sains Malaysia)
- EO-21 The effect of incorporating nano-porous silica particles on the viscoelastic behavior of a commercial tissue conditioner and its long-lasting drug-release characteristics  
○Sirus Safae, Hiroshi Murata  
(Nagasaki University, Department of Prosthetic Dentistry)

■ 13 : 40 ~ 14 : 10 Oral Presentation (English) 8 Digital dentistry 1

Chairperson: Jean Arevalo (National University)

- EO-22 Digital implant planning in anterior esthetic area: A case report  
○Delicia Clarence Song, Ratna Sari Dewi, Geraldi Hartono, Adit Widaryono  
(Universitas Indonesia)
- EO-23 Influence of surface colors on three-dimensional facial scanner accuracy  
○Koungjin Park<sup>1)</sup>, René Daher<sup>3)</sup>, Ho-Beom Kwon<sup>1,2)</sup>, Sang J. Lee<sup>4)</sup>, Jae-Hyun Lee<sup>1,2)</sup>  
(<sup>1)</sup>Department of Prosthodontics, Seoul National University School of Dentistry, <sup>2)</sup>Dental Research Institute, Seoul National University School of Dentistry, <sup>3)</sup>Division of Cariology and Endodontology, University Clinics of Dental Medicine, University of Geneva, <sup>4)</sup>Department of Restorative Dentistry and Biomaterial Sciences, Harvard School of Dental Medicine)
- EO-24 Marginal fit of 3D-printed three-unit prosthesis according to build orientation and layer thickness  
○Yaser Eisa Alhumoud  
(Department of Prosthodontics & Dental Research Institute, Seoul National University Dental Hospital, School of Dentistry, Seoul National University)

■ 14 : 10 ~ 14 : 40 Oral Presentation (English) 9 Digital dentistry 2

Chairperson: Manabu Kanazawa (Tokyo Medical and Dental University)

- EO-25 Sufficient workflow of the digital complete denture  
○Fumiaki Yamazaki  
(Yamazaki Dental Clinic)
- EO-26 Manual vs guided implant placement: A case report  
○Shyam Kaji Maharjan  
(People's Dental College and Hospital)
- EO-27 Radiopaque marker impression and 3D Boolean operations for implant planning data alignment in the presence of computerized tomography artifacts: A digital workflow and accuracy evaluation  
○Chunxu Liu, In Meei Tew, Xin-Fang Leong, Shahida Mohd-Said  
(The National University of Malaysia)

■ 14 : 40 ~ 15 : 10 Oral Presentation (English) 10 Biology, Material

Chairperson: Masanao Inokoshi (Tokyo Medical and Dental University)

- EO-28 Effect of repeated microwave disinfection on the flexural strength, impact strength & surface hardness of a heat cure denture base resin – An in vitro study  
○Priti Rahul Jaiswal  
(Ranjeet Deshmukh Dental College & Research Centre)
- EO-29 The influence of adding nanosilica (thalassiosira sp diatom extract) on the compressive strength and tensile strength of gic luting material  
○Anisah Nabilah Ferry, Aksani taqwim taqwim, Mohammad Dharma Utama, Irfan Dammar Dammar  
(Departement of Prosthodontics, Faculty of Dentistry, Hasanuddin University, Makassar, Indonesia)
- EO-30 Comparative analysis of extracellular matrix proteins and their gene expression profile during osteoblast differentiation  
○Hlaing Pwint Phyu<sup>1)</sup>, Masaru Kaku<sup>1)</sup>, Azusa Dobashi<sup>1)</sup>, Mizuki Kobayashi<sup>1)</sup>, Yoshiki Ono<sup>1)</sup>, Katsumi Uoshima<sup>1)</sup>  
(Division of Bio-prosthodontics, Faculty of Dentistry & Graduate School of Medical and Dental Sciences, Niigata University)