

6月20日(土) [第4会場]  
June 20th (Sat.) Room 4

■ 15 : 50 ~ 16 : 20 Oral Presentation (International) 1

Fixed Partial Denture (Crown and Bridge)/Removable Prosthodontics/  
Implantology

Chairperson: Kazuhiro Hori (Niigata University)

- IO1-1 Optimized Deep Learning Stacking Ensemble Model for Classification of Mandibular Defects on Panoramic Radiographs: A Transformative Approach for Prosthodontic Decision Support  
○ Arwa Hammam Melhem, Mariko Hattori, Hiroyuki Shimizu, Noriyuki Wakabayashi  
(Department of Advanced Prosthodontics, Graduate School of Medical and Dental Sciences, Institute of Science Tokyo)
- IO1-2 *In vitro* and numerical comparison of fracture behavior in resin-bonded fixed dental prosthesis  
○ Okkar Kyaw<sup>1)</sup>, Satoshi Yamaguchi<sup>2)</sup>, Hiraku Onuma<sup>1)</sup>, Manabu Kanazawa<sup>1)</sup>, Masanao Inokoshi<sup>3,4)</sup>  
(<sup>1)</sup>Department of Gerodontology and Oral Rehabilitation, Graduate school of medical and Dental Sciences, Institute of Science Tokyo, <sup>2)</sup>AI Research Unit, Graduate School of Dentistry, The University of Osaka, <sup>3)</sup>Department of Oral Devices and Materials, Graduate School of Medical and Dental Sciences, Institute of Science Tokyo, <sup>4)</sup>Oral Science Center, Institute of Biomedical Engineering, Institute of Science Tokyo)
- IO1-3 Fabrication and Characterization of NIR-responsive Zirconia surface coated with Au/polydopamine  
○ Hao Wu<sup>1)</sup>, Kosuke Nozaki<sup>1)</sup>, Masaya Shimabukuro<sup>2)</sup>, Zhiwei Zhou<sup>1)</sup>, Xiaohe Zhou<sup>1)</sup>, Noriyuki Wakabayashi<sup>1)</sup>  
(<sup>1)</sup>Department of Advanced Prosthodontics, Institute of Science Tokyo, <sup>2)</sup>Department of Inorganic Biomaterials, Laboratory for Biomaterials and Bioengineering, Institute of Integrated Research, Institute of Science Tokyo)

■ 16 : 30 ~ 17 : 00 Oral Presentation (International) 2 Biology and Biomaterials

Chairperson: Masahiro Yamada (Tohoku University)

- IO2-1 Time-Dependent Extracellular Matrix Maturation During Osteoblastic Differentiation Revealed by Integrated Transcriptomic and Proteomic Analyses  
○ Hlaing Pwint Phyu, Azusa Dobashi, Mizuki Kobayashi, Yoshiki Ono, Masaru Kaku  
(Division of Bio-Prosthodontics, Faculty of Dentistry and Graduate School of Medical and Dental Sciences, Niigata University)
- IO2-2 Interface Engineering of 1.5YSZ Implants Using ABL-(Zn/Cu/Sr)-Tannic Acid Metal-Phenolic Networks  
An In Vitro Study of Bioactivity and Osteogenesis  
○ Zhiwei Zhou, Kosuke Nozaki, Satsuki Tanaka, Hao Wu, Xiaohe Zhou, Noriyuki Wakabayashi  
(Advanced Prosthodontics, Division of Oral Health Sciences, Graduate School, Institute of Science Tokyo)
- IO2-3 In vitro evaluation of biocompatibility and osteoconductive potential of ultrashort pulsed laser-treated ceria-stabilized zirconia/alumina nanocomposite surfaces as material for dental implants  
○ Bryan Martin del Campo<sup>1)</sup>, Minoru Sanda<sup>1)</sup>, Shoma Yamamori<sup>1)</sup>, Takahito Osawa<sup>1)</sup>, Yoko Oshima<sup>1)</sup>, Eri Urano-Morisawa<sup>1)</sup>, Ayako Mochizuki<sup>2)</sup>, Fuminori Iwasa<sup>3)</sup>, Kazuyoshi Baba<sup>1)</sup>  
(<sup>1)</sup>Department of Prosthodontics, Showa Medical University, School of Dentistry, <sup>2)</sup>Department of Oral Physiology, Showa Medical University, School of Dentistry, <sup>3)</sup>Division of Fixed Prosthodontics, Department of Restorative and Biomaterials Sciences, Meikai University, School of Dentistry)