

**List of Academic Exhibits**

Presentation No.	Submission No.	Name of Author		Name of Author's Institution	Title of Abstract	Category
AE-001	20046	HE	Qi	Section of Orthodontics and Dentofacial Orthopedics, Graduate School of Dental Science, Kyushu University	Fibroblast growth factor 8 isoforms differentially regulate Meckel's cartilage formation during mandibular morphogenesis in mouse	02. Growth and development
AE-002	20001	KIM	Seong-Sik	Department of Orthodontics, Pusan National University Dental Hospital	Analysis of the forces and moments in canine bodily movement with clear aligner	05. Biomechanics
AE-003	20056	LIN	Angyi	Division of Orthodontics and Dentofacial Orthopedics, Tohoku University Graduate School of Dentistry	(D-Ala <sup>2</sup> )GIP inhibits TNF-&alpha;-induced osteoclast formation and bone resorption and orthodontic tooth movement	06. Histology
AE-004	20007	HU	JIN	Division of Orthodontic and Dentofacial Orthopedics, Tohoku University Graduate School of Dentistry	Analysis of the influence of Sema4D on osteoclast formation and orthodontic tooth movement	07. Biochemistry and molecular biology
AE-005	20008	THIHA	Ye	Department of Maxillofacial Orthognathics, Graduate School of Medical and Dental Sciences, Institute of Science Tokyo	Role of histone methyltransferase SET domain bifurcated 1 (SETDB1) in Odontogenesis	07. Biochemistry and molecular biology
AE-006	20015	FAN	Ziqiu	Division of Orthodontics and Dentofacial Orthopedics, Tohoku University Graduate School of Dentistry	HuR controls alternative splicing and metabolic homeostasis in osteocytes	07. Biochemistry and molecular biology
AE-007	20051	PHYOHTUN	PYAE	Department of Maxillofacial Orthognathics, Graduate School of Medical and Dental Sciences, Institute of Science Tokyo	Potential role of ZFPM2 in regulating odontogenesis-related gene expression in human periodontal ligament cells	07. Biochemistry and molecular biology
AE-008	20053	PUTONGKAM	Pongstorn	Department of Orthodontics, Faculty of Dentistry, Mahidol University, Bangkok, Thailand	Harnessing SHED-derived 3D scaffold-free constructs: Novel approaches for osteogenic regeneration	07. Biochemistry and molecular biology
AE-009	20011	NEOH	Siew Peng	Department of Orthodontics, Faculty of Dentistry, Mahidol University	Comparison of physical and mechanical properties between thermoplastic materials and 3D-printing resins for orthodontic retainers	08. Bio-materials
AE-010	20049	MANSJUR	KARIMA QURNIA	Hasanuddin University	Marine-Derived Chitosan Coating: Antibacterial and Bioactive Evaluation for Orthodontic Miniscrews via Dual Approach	08. Bio-materials
AE-011	20004	AUNG	Zaw Htet	Mahidol University, Faculty of Dentistry, Department of Orthodontics	SAM-refined multi-view segmentation for accurate third molar delineation in 3D dental models	09. Computer
AE-012	20005	BOONPRATHAM	Supatchai	Mahidol University, Faculty of Dentistry, Department of Orthodontics	Reliable automated orientation detection for intraoral scans in orthodontic workflows	09. Computer
AE-013	20043	HATSADALOI	Warat	Department of Maxillofacial Orthognathics, Division of Maxillofacial and Neck Reconstruction, Graduate School of Medical and Dental Sciences, Institute of Science Tokyo	Deep learning-based automated segmentation of mandibular cortical bone and teeth on CBCT images using nnU-Net	09. Computer
AE-014	20062	LIN	Yen Kun	Dept of Information Management, National Formosa University, Yulin, Taiwan	A Deep Learning Framework for Multi-Style Clear Aligner Cutting Line Generation	09. Computer
AE-015	20063	CHINTAVALAKORN	Rochaya	Department of Orthodontics, Faculty of Dentistry, Mahidol University	Assessing discrepancies between 3D facial scanners and direct measurements across different facial profiles	09. Computer
AE-016	20064	JOO	Heedon	Department of Orthodontics, Gangnam Severance Hospital, Institute of Craniofacial Deformity, Yonsei University College of Dentistry	The accuracy of prototype-based automatic cephalometric landmark detection in mixed and permanent dentitions	09. Computer
AE-017	20075	LIN	Yen-Kun	National Formosa University, Department of Information Management, Yunlin	GAN-Driven Orthognathic Surgery Outcome Prediction	09. Computer
AE-018	20013	NAKORNNOI	Theerasak	Department of Orthodontics, Faculty of Dentistry, Mahidol University	Key factors influencing compliance in clear aligner therapy	11. Dental education
AE-019	20020	YU	Jian-Hong	Department of Orthodontics, China Medical University Hospital, China Medical University, Taichung, Taiwan	An introduction to the development of dental virtual reality technologies for preliminary clinical education	11. Dental education
AE-020	20021	YANG	Ching-Yu	Department of Orthodontics, China Medical University Hospital, China Medical University, Taichung, Taiwan	Dental objective structured clinical examination virtual reality simulation - clinical application in dental interns	11. Dental education

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AE-021	20022	YU	Chang-Chiang	School of Dentistry & Graduate Institute of Dental Science, China Medical University, Taiwan	The synergistic effect of PTH and Low-Level-Laser Irradiation on osteoblast proliferation in vitro	11. Dental education
AE-022	20025	SIPIYARUK	Kawin	Department of Orthodontics, Faculty of Dentistry, Mahidol University	Development of a serious game for diagnosis and treatment planning in orthodontics: a quasi-experimental design	11. Dental education
AE-023	20055	WIMONCHAIJIT	Jitpitchaya	Department of Orthodontics, Faculty of Dentistry, Mahidol University	Lifelong Learning in Orthodontics: Perceptions and Practice in the Digital Era	11. Dental education
AE-024	20009	BAEK	Chan young	Department of Orthodontics, College of Dentistry, Dankook University, South Korea	Transverse expansion stability of segmental le fort I osteotomy and microimplant-assisted rapid palatal expansion	14. Orthodontic appliances and treatment mechanics
AE-025	20024	SIPIYARUK	Kawin	Department of Orthodontics, Faculty of Dentistry, Mahidol University	The effects of clear aligner trimline designs on orthodontic tooth movement: a systematic review	14. Orthodontic appliances and treatment mechanics
AE-026	20067	SANTIWONG	Peerapong	Mahidol University	Clinical accuracy of digital treatment plans for maxillary expansion using clear aligners	14. Orthodontic appliances and treatment mechanics
AE-027	20072	KIM	YONG IL	Pusan National University Dental Hospital	Multi-step finite element simulation for clear aligner space closure : a proof-of-concept compensation protocol	14. Orthodontic appliances and treatment mechanics
AE-028	20006	PEANCHITLERTKAJORN	Supakit	Mahidol University, Faculty of Dentistry, Department of Orthodontics	A prospective cohort study on effects of mandibular setback on sleep-related respiratory parameters	15. Surgical-orthodontic treatment
AE-029	20017	ASHARI	ASMA	Universiti Kebangsaan Malaysia	A national survey on retainer preferences and regimens among orthodontists in Malaysia	19. Retention
AE-030	20047	SRITARA	Sasin	Department of Orthodontics, Faculty of Dentistry, Mahidol University	Exploring compliance with orthodontic retainers: insights from the theory of planned behavior	19. Retention
AE-031	20002	KIM	Sung Hun	Department of Orthodontics, School of Dentistry, Pusan National University	Early predictors of maxillary canine impaction on panoramic radiographs in primary dentition: a longitudinal study	30. Impacted teeth
AE-032		Jung	Jooyeon	Department of Orthodontics, Seoul National University School of Dentistry, Seoul, South Korea	Differences in upper airway volumes according to disc displacement of the temporomandibular joint	
AE-033		Heo	Kyeong		Evaluation of Accuracy and Mechanical Properties of Metal 3D Printed Fixed Lingual Retainer	