

# Poster Presentations



*the Asian Academy of Craniofacial Disorders*



*Date: Sep 24 & 25*

*Place: 5F Room 501 + 502*

## *Communication Time*

Each presenter is required standing by the poster

- Even-numbered poster boards: 15:30-15:45 on September 24 and 12:00-12:30 on September 25, both.
- Odd-numbered poster boards: 15:45-16:00 on September 24 and 12:30-13:00 on September 25, both.

ID	Poster Title and Presenters
<b>Central Pain Mechanism</b>	
EB1	<p><b>An ultrastructural evidence for the expression of P2X3 receptor in astrocytes in the rat trigeminal caudal nucleus</b>  School of Dentistry, Kyungpook National University, Department of Anatomy and Neurobiology<sup>1)</sup>  Won Mah<sup>1)</sup>, Sang Man Lee<sup>1)</sup>, Yi Sul Cho<sup>1)</sup>, Jin Young Bae<sup>1)</sup></p>
EB2	<p><b>Changes of insular cortical local circuits in the model rats that receive ablation of unmyelinated primary sensory fibers by capsaicin injection</b>  School of Dentistry, Nihon University, Department of Endodontics<sup>1)</sup>  School of Dentistry, Nihon University, Department of pharmacology<sup>2)</sup>,  Division of Oral and Craniomaxillofacial Research, Nihon University<sup>3)</sup>  Division of Advanced Dental Treatment, Dental Research Center, Nihon University<sup>4)</sup>  Shota Murayama<sup>1)</sup>, Masayuki Kobayashi<sup>2,3)</sup>, Bunnai Ogiso<sup>1,4)</sup></p>
EB3	<p><b>Changes of neural activity responding to dental pulp stimulation in an inferior alveolar nerve transection model</b>  Nihon University School of Dentistry, Department of Pharmacology<sup>1)</sup>  Nihon University School of Dentistry, Department of Pediatric Dentistry<sup>2)</sup>,  Nihon University School of Dentistry, Department of Orthodontics<sup>3)</sup>  Satoshi Fujita<sup>1)</sup>, Risako Kato<sup>1)</sup>, Hiroko Nakamura<sup>2)</sup>, Mari Kaneko<sup>3)</sup>,  Masayuki Kobayashi<sup>1)</sup></p>
EB4	<p><b>Spatiotemporal profiles of cortical excitation induced by mechanical stimulation of the periodontal ligament during experimental tooth movement</b>  Nihon University School of Dentistry, Orthodontics<sup>1)</sup>  Nihon University School of Dentistry, Pharmacology<sup>2)</sup>  Mari Kaneko<sup>1,2)</sup>, Eri Horinuki<sup>1,2)</sup>, Noriyoshi Shimizu<sup>1)</sup>,  Masayuki Kobayashi<sup>2)</sup></p>
EB5	<p><b>Peripheral interactions between cannabinoid and opioid receptor agonists in a model of inflammatory mechanical hyperalgesia</b>  University of Maryland School of Dentistry, Neural and Pain Sciences<sup>1)</sup>  Kyung Hee University, School of Dentistry, Oral Medicine<sup>2)</sup>  Q-Schick Auh<sup>2)</sup>, Yang Hyun Chun<sup>2)</sup>, Ohannes K Melemedjian<sup>1)</sup>, Jin Y Ro<sup>1,2)</sup></p>
EB6	<p><b>Unknown transcripts regulated by capsaicin application in rat trigeminal ganglion</b>  Matsumoto Dental University Hospital<sup>1)</sup>,  Matsumoto Dental University, Oral Anatomy &amp; Neuroscience<sup>2)</sup>  Emi Ohki<sup>1)</sup>, Masayo Okumura<sup>2)</sup>, Osamu Tadokoro<sup>2)</sup>, Eiji Kondo<sup>2)</sup></p>

Peripheral Pain Mechanism	
EC1	<p><b>First statistical analysis of 1,005 patients diagnosed at an Orofacial Pain-Liaison Clinic</b>            Shizuoka City Shimizu Hospital, Department of Oral Surgery<sup>1</sup>,            Tokyo Women's Medical University Medical Center East<sup>2</sup>            Hiroko Ikeda<sup>1</sup>, Masako Ikawa<sup>1</sup>, Kazuo Yamada<sup>2</sup>, Aya Michibara<sup>1</sup>, Kouji Takamori<sup>1</sup>, Shinobu Ikeuchi<sup>1</sup></p>
EC2	<p><b>Prevalence and associated factors of orofacial pain in children and adolescents: a questionnaire study</b>            Faculty of Dentistry, Trisakti University, Prosthodontics<sup>1</sup>,            Academic Center of Dentistry Amsterdam, Oral Kinesiology<sup>2</sup>            Carolina Marpaung<sup>1,2</sup>, Maurits van Selms<sup>2</sup>, Frank Lobbezoo<sup>2</sup></p>
Statistics	
EC3	<p><b>The use of pre-treatment analgesia by patients receiving root-canal-treatment in the National Dental Practice-Based Research Network</b>            University of Minnesota, School of Dentistry, Div of TMD and Orofacial Pain<sup>1</sup>,            University of Minnesota, School of Medicine, Neurology<sup>2</sup>,            HealthPartners Institute for Education and Research<sup>3</sup>,            University of Minnesota, School of Dentistry, Division of Endodontics<sup>4</sup>,            The Dental Specialists, Private Practice<sup>5</sup>,            University of Minnesota, School of Public Health, Division of Epidemiology and Community Health<sup>6</sup>            Flavia P Kapos<sup>1</sup>, Donald R Nixdorf<sup>1,2,3</sup>, Alan S Law<sup>4,5</sup>, Ruby H Nguyen<sup>6</sup></p>
Case Report	
EC4	<p><b>Orofacial pain and headache attributed to acute glaucoma</b>            Nihon University School of Dentistry, Department of Oral Diagnostic Sciences<sup>1</sup>,            Nihon University Dental Hospital, Division of Orofacial Pain Clinic<sup>2</sup>            Mariko Ikeda<sup>1,2</sup>, Noboru Noma<sup>1,2</sup>, Yoshiki Imamura<sup>1,2</sup>, Naohiko Sekine<sup>1,2</sup>,            Ryutarou Kohashi<sup>1,2</sup></p>
EC5	<p><b>Facial pain induced by narrowing of the parotid duct: Two case report</b>            Nihon University School of Dentistry, Department of Oral Diagnostic Sciences<sup>1</sup>,            Tomomi Yamadera<sup>1</sup>, Akiko Okada<sup>1</sup>, Haruna Kono<sup>1</sup>, Ryutarou Kohashi<sup>1</sup>,            Yoshiki Imamura<sup>1</sup></p>
EC6	<p><b>A study on recurrent orofacial pain after neurovascular decompression surgery for trigeminal neuralgia</b>            Nihon University School of Dentistry, Department of Oral Diagnostic Sciences<sup>1</sup>            Haruna Kono<sup>1</sup>, Akiko Okada<sup>1</sup>, Tomomi Yamadera<sup>1</sup>, Yuka Sato<sup>1</sup>,            Yoshiki Imamura<sup>1</sup></p>
EC7	<p><b>Orofacial pain due to Eagle's syndrome and temporomandibular disorders: A case report</b>            Kyung Hee University School of Dentistry, Orofacial Pain and Oral Medicine<sup>1</sup>            Mi-Jin Hwang<sup>1</sup>, Yeon-Hee Lee<sup>1</sup>, Q-Schick Auh<sup>1</sup>, Jung-Pyo Hong<sup>1</sup>,            Yang-Hyun Chun<sup>1</sup>, Soo-Kyung Kang<sup>1</sup></p>
EC8	<p><b>A case of giant-cell (temporal) arteritis that presented difficulty in diagnosis</b>            Keio University, School of Medicine, Department of Dentistry and Maxillofacial Surgery<sup>1</sup>,            Showa University, School of Dentistry, Department of Oral and Maxillofacial Surgery<sup>2</sup>,            Kawasaki Municipal Ida Hospital, Department of Dentistry &amp; Oral surgery<sup>3</sup>            Hitoshi Sato<sup>1,2</sup>, Mariko Inoue<sup>1</sup>, Hironori Saisu<sup>1</sup>, Wataru Muraoka<sup>3</sup>, Tastuo Shiota<sup>2</sup>, Taneaki Nakagawa<sup>1</sup>, Koichi Wajima<sup>1</sup></p>

<b>Sleep</b>	
<b>EC9</b>	<p><b>Evaluation of the compliance and sleep quality of oral appliances fabricated by different materials for patients with OSAS: A pilot study</b></p> <p>Kyushu Dental University, Division of Occlusion &amp; Maxillofacial Reconstruction<sup>1)</sup>  Eri Makihara<sup>1)</sup>, Ryuichiro Miyajima<sup>1)</sup>, Toshihiro Kawano<sup>1)</sup>, Shogo Tsuda<sup>1)</sup>,  Yoshito Shima<sup>1)</sup>, Takafumi Watanabe<sup>1)</sup>, Shin-ichi Masumi<sup>1)</sup></p>
<b>EC10</b>	<p><b>Sleep related breathing disorders treatment of temporo-mandibular disorders patient with anterior repositioning splint: A case report</b></p> <p>Kyung Hee University School of Dentistry, Orofacial Pain and Oral Medicine<sup>1)</sup>,  Tok Talk Dental Clinic<sup>2)</sup>  Jin-Suk Kim<sup>1,2)</sup>, Mi-Jin Hwang<sup>1)</sup>, Chi-Hyuk Ahn<sup>1)</sup>, Yeon-Hee Lee<sup>1)</sup>,  Q-Schick Auh<sup>1)</sup>, Yang-Hyun Chun<sup>1)</sup>, Jung-Pyo Hong<sup>1)</sup>, Soo-Kyung Kang<sup>1)</sup></p>
<b>BMS</b>	
<b>EC11</b>	<p><b>Evaluation of sleep quality using self-reported questionnaires in patients with burning mouth syndrome</b></p> <p>School of Dentistry, Chonbuk National University, Department of Oral Medicine<sup>1)</sup>,  School of Dentistry, Chonbuk National University, Institute of Oral Bioscience<sup>2)</sup>  Jung-Yong Jin<sup>1)</sup>, Bong-Jik Suh<sup>1,2)</sup>, Kyung-Eun Lee<sup>1,2)</sup></p>
<b>EC12</b>	<p><b>Trigger point injection of the anterior belly of digastric muscle for burning mouth syndrome: A case report</b></p> <p>Kyung Hee University, School of Dentistry, Oral Medicine<sup>1)</sup>  Chi-Hyuk Ahn<sup>1)</sup>, Mi-Jin Hwang<sup>1)</sup>, Yeon-Hee Lee<sup>1)</sup>, Soo-Kyung Kang<sup>1)</sup>,  Q-Schick Auh<sup>1)</sup>, Yang-Hyun Chun<sup>1)</sup>, Jung-Pyo Hong<sup>1)</sup></p>
<b>EC13</b>	<p><b>Spatial and temporal brain responses to noxious heat thermal stimuli in burning mouth syndrome</b></p> <p>Nihon University School of Dentistry, Department of Oral Diagnostic Sciences<sup>1)</sup>  Takahiro Shinozaki<sup>1)</sup>, Ryutaro Kohashi<sup>1)</sup>, Akiko Okada<sup>1)</sup>, Noboru Noma<sup>1)</sup>,  Yoshiki Imamura<sup>1)</sup></p>
<b>EC14</b>	<p><b>Heat, capsaicin sensation and TRPV1 genome SNPs in human</b></p> <p>Matsumoto Dental University, Oral Anatomy &amp; Neuroscience<sup>1)</sup>,  Matsumoto Dental University Hospital<sup>2)</sup>  Nozomu Okamoto<sup>1)</sup>, Masayo Okumura<sup>1)</sup>, Emi Ohki<sup>2)</sup>, Osamu Tadokoro<sup>1)</sup>,  Eiji Kondo<sup>1)</sup></p>
<b>Saliva</b>	
<b>EC15</b>	<p><b>Metabolomic profiling in saliva of healthy Malaysian adults</b></p> <p>University of Technology MARA, Oral Medicine<sup>1)</sup>,  Hospital Sultan Haji Ahmad Shah Dentistry<sup>2)</sup>,  Bundaberg Base Hospital, General Medicine<sup>3)</sup>,  International Medical University, School of Pharmacy<sup>4)</sup>,  Bruker (Malaysia) Sdn Bhd<sup>5)</sup>  Yoshinobu Shoji<sup>1)</sup>, Han Hing Lee<sup>2)</sup>, Lee Chee Yen<sup>3)</sup>, Chee Onn Leong<sup>4)</sup>, Iven Yap<sup>4)</sup>,  Chin Hoe Teh<sup>5)</sup></p>
<b>EC16</b>	<p><b>Factors influencing on the xerostomia symptom in the patients with temporomandibular disorder</b></p> <p>Kyungpook National University, Dental Hospital, Department of Oral Medicine<sup>1)</sup>  Ki-Mi Kim<sup>1)</sup>, Jin-Seok Byun<sup>1)</sup>, Jae-Kwang Jung<sup>1)</sup></p>
<b>EC17</b>	<p><b>MRI diagnosis of 1526 TMJs: disc displacements and osteoarthritis</b></p> <p>Osaka University Graduate School of Dentistry, Fixed Prosthodontics<sup>1)</sup>  Ryota Takaoka<sup>1)</sup>, Daisuke Moriguchi<sup>1)</sup>, Yukiko Koishi<sup>1)</sup>, Yuki Senzaki<sup>1)</sup>,  Koichiro Uno<sup>1)</sup>, Shoichi Ishigaki<sup>1)</sup>, Hirofumi Yatani<sup>1)</sup></p>

EC18	<p><b>TMJ degenerative changes as an occult finding in Cone-beam CT scans for routine dental assessment</b></p> <p>Facial Pain and Sleep Center (Private Practice)<sup>1)</sup>, Columbia University<sup>2)</sup>, Aristotle University<sup>3)</sup>, University of Geneva<sup>4)</sup> Ghabi Kaspo<sup>1)</sup>, Christos Angelopoulos<sup>2)3)</sup>, Stavros Kiliaridis<sup>4)</sup></p>
EC19	<p><b>The long-term effect of anterior reposition splint for temporomandibular joint disc displacement with reduction</b></p> <p>Mackay Memorial Hospital , Department of Prosthodontics<sup>1)</sup>, Mackay Memorial Hospital , Department of Radiology<sup>2)</sup> Huey-Yuan Wang<sup>1)</sup>, Sho-Jen Cheng<sup>2)</sup></p>
EC20	<p><b>Therapeutic mouth rehabilitation training improves maximal interincisor opening and alleviates pain in temporomandibular joint disorder patients</b></p> <p>College of Medicine, Korea University, Dept of Oral and Maxillofacial Surgery<sup>1)</sup> Aaron Besana<sup>1)</sup>, Hak-Gi Lee<sup>1)</sup>, Ho Kyeong Lim<sup>1)</sup>, Choi Hyok<sup>1)</sup>, Eui Seok Lee<sup>1)</sup></p>
<b>Tests</b>	
EC21	<p><b>Repeatability of measurements of surface EMG variables during maximum voluntary contraction of the temporalis and masseter muscles in normal adults</b></p> <p>Chonnam National University Dental Hospital, Gwangju, Korea, Department of Oral Medicine<sup>1)</sup>, GnS International, Daejeon, Korea<sup>2)</sup>, Gwangju Health College, Gwangju, Korea, Department of Dental Hygiene<sup>3)</sup>, School of Dentistry, Chonnam National University, Gwangju, Department of Dental Education<sup>4)</sup>, School of Dentistry, Chonnam National University, Gwangju, Korea, Department of Oral Medicine<sup>5)</sup> Yeong-Gwan Im<sup>1)</sup>, Sang-Ho Han<sup>2)</sup>, Ji-Il Park<sup>3)</sup>, Hoi-Soon Lim<sup>4)</sup>, Byung-Gook Kim<sup>5)</sup>, Jae-Hyung Kim<sup>5)</sup></p>
EC22	<p><b>A novel test for assessing oral stereognosis ability - methods and preliminary results</b></p> <p>School of Dentistry, National Yang-Ming University, Department of Dentistry<sup>1)</sup>, School of Dentistry, National Yang-Ming University, Department of Dentistry<sup>2)</sup> Kai-Hsiang Chuang<sup>1)</sup>, Chia-shu Lin<sup>2)</sup></p>
EC23	<p><b>Analyzing relationship between jaw stiffness and heart rate variability</b></p> <p>Keio University, Department of Dentistry and Oral Surgery<sup>1)</sup> Kawasaki Municipal Ida Hosital Department of Dentistry and Oral Surgery<sup>2)</sup> Showa University Department of dentistry and oral surgery<sup>3)</sup> Kanakano Munakata<sup>1)</sup> Wataru Muraoka<sup>1,2)</sup> Hitoshi Sato<sup>3)</sup> Hironori Saisu<sup>1)</sup> Sho Usuda<sup>1)</sup> Mariko Inoue<sup>1)</sup> Taneaki Nakagawa<sup>1)</sup> Koichi Wajima<sup>1)</sup></p>
EC24	<p><b>Validation of the Indonesian version of the oral health impact profile for TMDs (OHIP-TMDs-ID)</b></p> <p>Prosthodontic Universitas Indonesia<sup>1)</sup>, Vivi Wira<sup>1)</sup>, Laura S Himawan<sup>1)</sup>, Ira Tanti<sup>1)</sup>, Nina Ariani<sup>1)</sup></p>