SCIENTIFIC PROGRAM
Sunday February 10th

07.30- Registration

08.00-08.30 Poster mounting

08.30-09.00 Opening Ceremony

09.00-10.00 Keynote Lecture:
Current Research Topics on Tissue Engineering of Oral Mucosa and Our Future Directions.
Prof Kenji IZUMI
Niigata University, Japan
Chair:
Prof Waranun Buajeeb, Dean, Mahidol University, Thailand

10.00-10.15 Coffee Break

10.15-11.45 Symposium I :
Advanced Research in Oral Science
Chairs:
Prof Atsushi OHAZAMA, Niigata University, Japan
Prof Miho TERUNUMA, Niigata University, Japan

10.15-10.40 S1-1: Lifestyle and Dementia: Why Lifestyle Change Can Reduce the Risk of Dementia.
Prof Miho TERUNUMA
Niigata University, Japan

10.40-10.50 S1-2: Metformin, an Anti-Diabetic Agent Inhibits Oral Cancer Cell Proliferation and Migration.
Dr/ Grad Genki ITO
Niigata University, Japan

10.50-11.10 S1-3: Hedgehog Signaling Via Gli3 Is Essential for Peripheral Nerve Regeneration.
Asst/ Prof Yurie YAMADA
Niigata University, Japan

Dr / Grad Akane YAMADA
Niigata University, Japan
11.20-11.45  S1-5: New Findings in Organogenesis.
Prof Atsushi OHAZAMA  
Niigata University, Japan

11.45-13.00  Lunch Break:

12.15-13.15  Poster Presentation:
Chair:  
Asst/ Prof Paiboon JITPRASERTWONG, Suranaree University of Technology, Thailand

P1 Shear Bond Strength Differences Between Dry, Wet, and Rewetting Dentin Bonding Technique Using Chitosan 2% Solution.  
Angela EVELYNA*, Rudy DJUANDA, Sanchia JOVITA BUDIONO  
Maranatha Christian University, Indonesia

P2 Assessment of Temporomandibular Disorders Treatment with Celebrex Drugs Coordinated with the Mandibular Exercises.  
Dinh DIEU HONG*, Dang TRIEU HUNG  
Hanoi Medical University, Vietnam

P3 Dental Caries Risk Factors in 12-Year-Old Pupils: One Year Cohort Study.  
Bich VAN TRAN THI*, Hung TU HOANG  
University of Medicine and Pharmacy, Vietnam

P4 Abnormal Mineralization in Bone and Aorta Induced by the Disrupted Function of FGF23/Klotho.  
Tomoka HASEGAWA*, Yukina MIYAMOTO, Zixuan QIU, Tomomaya YAMAMOTO, Norio AMIZUKA  
Hokkaido University, Japan

P5 Histological Assessment of Bone Formation Induced by the New Bone Prosthetic Material Contained Phosphorylated-Pullulan.  
Tomoka HASEGAWA*, Hiromi HONGO, Zixuan QIU, Yukina MIYAMOTO, Norio AMIZUKA  
Hokkaido University, Japan

P6 Multiple and Unspecific Oral Lesions Becoming a Medical Dilemma and Complicating Management in Patient with Acute Lymphoblastic Leukemia.  
Masita MANDASARI*, Nurfianti, Endah Ayu TRI WULANDARI, Gus Permana SUBITA  
University of Indonesia, Indonesia
**P7** Influence of Polishing System on Color Changes for Microhybride Resin Composites after Immersion in a Turmeric Solution.
*Ellyza HERDA*, Siska Yurvina ANGGITA, Bambang IRAWAN
University of Indonesia, Indonesia

**P8** Teaching and Learning About Dysphagia During a Short-Course Training in Gerodontology at Thammasat University.
*Matana KETTRATAD*
Thammasat University, Thailand

**P9** The Influence of Culture on Older Adults' Perceived Needs for Dental Prosthesis: A Systematic Literature Search and Narrative Review.
*Nattapol THINSATHID*, Matana KETTRATAD
Thammasat University, Thailand

**P10** FTIR Investigation of Chitosan-Based Mucoadhesive Films Containing Mangosteen Pericarp and Guava Leaf Extracts.
*Piyawat TANGSUKSAN*, Wipawee NITTAYANANTA
Thammasat University, Thailand

**P11** Effects of Erythrosine With/out Nano-TiO2 Mediated Photodynamic Therapy on HGF-1 and HOK Cells.
*Jirayu ANANTAWAN*, Teerasak DAMRONGRUNGRUANG, Aroon TEERAKAPONG
Khon Kaen University, Thailand

13.15-14.45 **Symposium II:**
How Do We Understand and Treat Chewing and Swallowing Problems in the Elderly?

**Chairs:**
Prof Makoto INOUE, Niigata University, Japan
Prof Takahiro ONO, Niigata University, Japan

13.15-13.27 S2-1: Overview of Dysphagia- What Can We Do for Elderly Dysphagic Patients? -
*Prof Makoto INOUE*
Niigata University, Japan

*Dr/ Grad Midori YOSHIHARA*
Niigata University, Japan

Dr/ Grad Sirima KULVANICH  
Niigata University, Japan  
13.51-14.03 S2-4: The Effect of Oropharyngeal Sensory Stimulation on Swallowing Motor System.  
Dr Jin MAGARA  
Niigata University, Japan  
14.03-14.15 S2-5: Relationship Between Oral Environment and Frailty Among Older Adults Dwelling in a Rural Japanese Community.  
Dr Yoko HASEGAWA  
Niigata University, Japan  
Prof Takahiro ONO  
Niigata University, Japan  
14.27-14.45 Discussion  
14.45-15.00 Coffee Break:  
15.00-15.50 Oral Presentation I -1:  
Chairs:  
Dr Naoki TAKAHASHI, Niigata University, Japan  
Asst/ Prof Poramaporn KLANRIT, Khon Kaen University, Thailand  
15.00-15.10 O1: Development of a Micropatterned Fish Scale Collagen Scaffold to Manufacture a Tissue-Engineered Oral Mucosa.  
Ayako SUZUKI*, Hiroko KATO, Takahiro KAWAKAMI, Yoshihiro KODAMA, Mayuko SHIOZAWA, Emi HOSHIKAWA, Kenta HAGA, Aki SHIOMI, Atsushi UENOYAMA, Issei SAITO, Haruaki HAYASAKI, Hiroyuki KUWAE, Keito MIWA, Jun MIZUNO, Kenji IZUMI  
Niigata University, Japan  
Emi HOSHIKAWA*, Yoshitaka KIMORI, Taisuke SATO, Hiroko KATO, Ayako SUZUKI, Kenta HAGA, Daisuke NANBA, Kenji IZUMI  
Niigata University, Japan  
Supriatmo*
*Ryoko TAKEUCHI*, Wataru KATAGIRI, Tadaharu KOBAYASHI  
Niigata University, Japan

15.40-15.50 **O5**: Effect of Local Hyaluronic Acid Administration to Trigeminal Nerve Lesion on Nociceptive Behavior in Rats.  
*Yuzo IMAI*, Yoshikawa HIROYUKI, Yuhei KOYAMA, Kenji SEO  
Niigata University, Japan

15.50-16.00 **O6**: Silver Nitrate Effects on Oral Mucosa: To Burn or Not to Burn  
*Felicia PARAMITA*, Anandina IRMAGITA, Endah Ayu Tri WULANDARI  
University of Indonesia

16.00-16.50 **Oral Presentation I -2:**

**Chairs:**

Assoc/ Prof Issei SAITOH, Niigata University, Japan  
Dr Supawich MORKMUED, Khon Kaen University, Thailand

16.00-16.10 **O7**: Three-Dimensional Motion Analysis of Spoon Feeding. - Effect of Food Properties and Mouthful Amounts-  
*Tsutomu NAKAJIMA*, Yuki NAKAMURA, Yuki SASAKAWA, Saeko TSUKUNO, Haruaki HAYASAKI  
Niigata University, Japan

16.10-16.20 **O8**: Naïve-Like Conversion from Human Deciduous Teeth Dental Pulp Cells-Derived iPS Cells and the Differentiation.  
*Issei SAITOH*, Emi INADA, Masahiro SATO  
Niigata University, Japan

16.20-16.30 **O9**: Streptococcus Pyogenes CAMP Factor Promotes Bacterial Adhesion and Invasion in Pharyngeal Epithelial Cells Without Serum.  
*Mie KUROSAWA*, Masataka ODA, Hisanori DOMON, Issei SAITOH, Haruaki HAYASAKI, Yutaka TERAO  
Niigata University, Japan

16.30-16.40 **O10**: Suitability with Vietnamese Harmonious Faces in Class III Malocclusion Orthognathic Patients – 3D.  
*Nguyen Hoang MINH*, Pham Hoang TUAN, Nguyen Hong HA, Le Van SON, Nguyen Thi Thu PHUONG  
Hanoi Medical University, Vietnam

16.40-16.50 **O11**: A Study on Dental Student’s Self- Assessment Ability in Japan and a Comparison with The United States.
Masako NAGASAWA*, hiroe OYAMA, Nami AKIBA, Yosuke AKIBA, Yujin AOYAGI, Katsumi UOSHIMA
Niigata University, Japan

16.50-17.40 Oral Presentation I -3:
Chairs:
Prof. Akihiro YOSHIHARA, Niigata University, Japan
Dr Rajda CHAIT, Khon Kaen University, Thailand

16.50-17.00 O12: Preventive Effect of Preschool and School-Based Fluoride Mouth Rinsing Program on Dental Caries in Early Adulthood.
Daisuke YONEZAWA*, Minoru YAGI, Akihiro YOSHIHARA
Niigata University, Japan

17.00-17.10 O13: Drinking Habits and Periodontal Tissue Condition in Community-Dwelling Elderly Japanese.
Kana SUWAMA*, Akihiro YOSHIHARA
Niigata University, Japan

17.10-17.20 O14: The Association Between Oral Health Condition, Serum C-Reactive Protein and Depressive Symptoms in Yogyakarta Community-Dwelling Elderly.
Lisdrianto HANINDRIYO*, Rini WIDYANINGRUM, Elastria WIDITA, Dewi AGUSTINA, Fimma NARITASARI, Iffah MARDIYAH, Bambang PRIYONO
Gadjah Mada University, Indonesia

17.20-17.30 O15: The Relationship Between Serum Cholesterol Levels and Salivary Flow Rate in the Community Dwelling Elderly.
Nana MIZOGUCHI*, Kaname NOHNO, Noboru KANEKO, Akihiro YOSHIHARA, Hiroshi OGAWA
Niigata University, Japan

17.30-17.40 O16: The Relationship Between the Number of Remaining Teeth and ADL in 90 Years Old Community-Dwelling Elderly
Raksanan KARAWEKPAWONG*, Kaname NOHNO, Hiroshi OGAWA
Niigata University, Japan

18.30-20.30 Gala Dinner:

Monday February 11th

07.30- Registration:
08.30-10.00 Special Lecture:

**L1: Histological Assessment for Osteocyte Function.**
*Prof Norio AMIZUKA*
Hokkaido University, Japan

**L2: Genetic and Intervention Studies Implicating Keystone Pathogens and Del-1 as Major Targets for the Treatment of Periodontitis.**
*Assoc/ Prof Tomoki MAEKAWA*
Niigata University, Japan

Chair:
*Assoc/ Prof Oranart MATUNGKASOMBUT, Chulalongkorn University, Thailand*

10.00-10.15 Coffee Break

10.15-11.45 Symposium III: Action for Oral Health in Global Initiatives

Chairs:
*Assoc/ Prof Waranuch Pitiphat, Khon Kaen University, Thailand*
*Prof Hiroshi OGAWA, Niigata University, Japan*

10.15-10.35 S3-1: WHO Integrated Care for Older People (ICOPE): Oral Function in the Care Pathways.
*Dr. Arunee LAITEERAPONG*
Chulalongkorn University, Thailand

10.35-10.55 S3-2: Phasing Down of Dental Amalgam Use -Future Challenge-.
*Prof Hiroshi OGAWA*
Niigata University, Japan

10.55-11.15 S3-3: A Mobile Teledentistry Model Evaluated in Australia.
*Prof Boyen HUANG*
Charles Sturt University, Australia

11.15-11.45 General discussion

11.45-13.15 Lunch

12.00-13.00 Deans Meeting:

13.15-14.45 Symposium IV: Dentistry in the 5G Era
Chairs:
Asst/ Prof Suchit Poolthong, Chulalongkorn University, Thailand
Prof Maria F. Lindawati, Dean, University of Indonesia, Indonesia

13.15-13.35 S4-1: Digital Technology in Esthetic Dentistry.
Asst/ Prof Chaimongkol PEAMPRING
Prince of Songkla University, Thailand

Assoc/ Prof Teerasak DAMRONGRUNGRUANG
Khon Kaen University, Thailand

13.55-14.15 S4-3: A Targeted Next-Generation Sequencing Assay for the Molecular Diagnosis of Rare Diseases with Tooth Involvement.
Dr Supawich MORKMUED
Khon Kaen University, Thailand

14.15-14.45 General discussion

14.45-15.00 Coffee Break:

15.00-16.10 Oral Presentation II - 1:
Chairs:
Dr Yoko HASEGAWA, Niigata University, Japan
Asst/ Prof Ajiravudh SUBARNBHESAJ, Khon Kaen University, Thailand

15.00-15.10 O17: Relationship Between the Masticatory and Obesity with Using Wearable Device.
Shogo Yoshimura*, Kazuhiro HORI, Fumiko UEHARA, Yoshio YAMAGA, Yoko HASEGAWA, Takahiro ONO
Niigata University, Japan

15.10-15.20 O18: The Effect of Thickener on Tongue Motion and Pressure Production Against Hard Palate.
Shohei KODAMA*, Shigehiro FUJIWARA, Satoko SHITARA, Jumpei OKAWA, Kazuhiro HORI, Takahiro ONO
Niigata University, Japan

Farah A. AL-OMARI*, Masako NAGASAWA, Mubarak SULIMAN, Keisuke HAMAYA, Ameen KHRAISAT, Katsumi UOSHIMA
Niigata University, Japan

15.30-15.40 O20: Effects of Sub-Minimum Inhibitory Concentration of
Chlorhexidine Gluconate on Development of in Vitro Novel Multispecies Biofilm.
Yuki SUZUKI*, Tatsuya OHSUMI, Ryoko NAGATA, Taisuke HASEGAWA, Shoji TAKENAKA, Yuichiro NOIRI
Niigata University, Japan

15.40-15.50 **O21**: The Rice Peptides Restrain Periodontal Inflammation and Bone Loss.
Hikaru Tamura*, Tomoki MAEKAWA, Hisanori DOMON, Takumi HIYOSHI, Daisuke YONEZAWA, Kosuke NAGAI, Yutaka TERAO, Takeyasu MAEDA, Koichi TABETA
Niigata University, Japan

15.50-16.00 **O22**: Differentiation of Eating Behaviors by the Aspect of Masseter and Supra-Hyoid Muscles.
Fumiko UEHARA*, Kazuhiro HORI, Jumpei OKAWA, Shigehiro FUJIWARA, Takahiro ONO
Niigata University, Japan

16.00-16.10 **O23**: Exploring the Possibility of Dental Metal Allergy Related to the Pathophysiology Mechanism of Psoriasis.
Yurina TAKAOKA*, Yosuke AKIBA, Nami AKIBA, Masako NAGASAWA, Kaori EGUCHI, Haruka TAKEUCHI, Katsumi UOSHIMA
Niigata University, Japan

16.10-17.00 **Oral Presentation II - 2:**
Chairs:
Assoc/ Prof Tomoki MAEKAWA, Niigata University, Japan
Dr. Chanthida PAWAPUTANON NA MAHASARAKHAM, Khon kaen university, Thailand

Naoki TAKAHASHI*, Yumi MATSUDA-MATSUKAWA, Keisuke SATO, Takeyasu MAEDA, Kazuhisa YAMAZAKI, Koichi TABETA
Niigata University, Japan

Mai YOKOJI-TAKEUCHI*, Naoki TAKAHASHI, Yumi MATSUDA-MATSUKAWA, Miki YAMADA-HARA, Benso SULIJAYA, Koichi TABETA, Kazuhisa YAMAZAKI
Niigata University, Japan

16.30-16.40 **O26**: Bioactive Metabolite Prevents Alveolar Bone Loss in Periodontitis
Model Through Its Antimicrobial Effect.

Benso SULIJAYA*, Miki YAMADA-HARA, Mai YOKOJI-TAKEUCHI, Kyoko YAMAZAKI, Aoi MATSUGISHI, Takahiro TSUZUNO, Naoki TAKAHASHI, Koichi TABETA, Kazuhisa YAMAZAKI
Niigata University, Japan

16.40-16.50  **O27**: A Bioactive Metabolite Prevents P.gingivalis- Induced Gingival Epithelial Barrier Disruption.

Miki YAMADA-HARA*, Naoki TAKAHASHI, Yumi MATSUDA-MATSUWA, Keisuke SATO, Mai YOKOJI-TAKEUCHI, Benso SULIJAYA, Koichi TABETA, Kazuhisa YAMAZAKI
Niigata University, Japan

16.50-17.00  **O28**: In Vivo Analysis of Cell Cycle Dynamics During the Course of Periodontal Ligament Development.

Takako IDA*, Masaru KAKU, Masaru MIZUKOSHI, Kohei KITAMI, Isao SAITO, Katsumi UOSHIMA
Niigata University, Japan

17.00-17.15  **Closing Ceremony:**

**Tuesday February 12th**

Optional community tour for oral health planning and implementation

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<tr>
<th>Time</th>
<th>Activity</th>
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<tr>
<td>08-00-08:15</td>
<td>Pick up from your hotel</td>
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<tr>
<td>08:30</td>
<td>Depart from Chalong pier to Coral Island, free time relax sunbath on Speed boat.</td>
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<tr>
<td>08:50</td>
<td>Arrive at Coral Island sightseeing around island (snorkel &amp; mask included) also enjoy seasports activities (on your own expenses)</td>
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<tr>
<td>12:00</td>
<td>Buffet Lunch (included in pax)</td>
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<tr>
<td>14:00</td>
<td>Depart from Coral Island back to hotel. On the way back to hotel, we will stop for shopping for some souvenirs.</td>
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Price: 1,500 – 2,000 baht per person (depending on the total number of participants)