SEAADE - IADR SEA Division 2015

26th SEAADE Annual Scientific Meeting
“ADVANCED AND INNOVATIONS IN DENTAL EDUCATION: CURRENT CONCEPTS”

29th IADR SEA Division Annual Scientific Meeting
“IMPROVING QUALITY OF LIFE THROUGH DENTAL RESEARCH”

PROGRAM AND ABSTRACTS BOOK

12-15th August 2015
Discovery Kartika Plaza Hotel, Bali, Indonesia

Hosted by:
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29th ANNUAL SCIENTIFIC MEETING OF IADR-SEA DIVISION

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# IADR-SEA ORAL PRESENTATION SCHEDULE

## Oral Session 14 - Periodontology / Microbiology / Immunology (3)
Chair(s): B. SULIJAYA

<table>
<thead>
<tr>
<th>Number</th>
<th>Time</th>
<th>Presenter</th>
<th>Title</th>
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<tr>
<td>058</td>
<td>02:00 PM-02:15 PM</td>
<td>S. J. PULIKKOTIL&lt;br&gt;Dentistry, International Medical University, Kuala Lumpur, Malaysia</td>
<td>Curcumin Effects On Interleukin-1-beta and CCL28 levels in experimental gingivitis.</td>
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<tr>
<td>059</td>
<td>02:15 PM-02:30 PM</td>
<td>N. A. ABDUL WAHAB, M. B. GHAZI AHMAD, Z. B. ZAINAL ABIDIN, S. B. MOHD SAID&lt;br&gt;Dentistry Faculty, Universiti Kebangsaan Malaysia, Kuala Lumpur, Kuala Lumpur, Malaysia</td>
<td>Antibacterial Effects of Ginger (Zingiber officinale) on Enterococcus faecalis</td>
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<td>060</td>
<td>02:30 PM-02:45 PM</td>
<td>W. WAN OTHMAN, H. RAMLI, N. IDAHAM&lt;br&gt;Universiti Sains Islam Malaysia, Kuala Lumpur, Malaysia</td>
<td>Assessment of Quality of Life of Periodontal Patients Using GOHAI-Malay</td>
</tr>
<tr>
<td>061</td>
<td>02:45 PM-03:00 PM</td>
<td>P. TANGSUPATI&lt;br&gt;Faculty of Dentistry, Gadjah Mada University, Yogyakarta, Daerah Istimewa Yogyakarta, Indonesia</td>
<td>Effect of Platelet-Rich Plasma activated by Collagen on Extracellular Matrix Synthesis on Fibroblast of Periodontal Ligament.</td>
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<tr>
<td>062</td>
<td>03:00 PM-03:15 PM</td>
<td>B. Sulijaya(^1), A. Suhartono(^2), N. Z.Djamal (^2), S. Masulili(^1), C. Talbo(^2), E. Auerkari(^2)&lt;br&gt;(^1)Department of Periodontology, University of Indonesia, Jakarta, Jakarta Pusat, Indonesia, (^2)Department of Oral Biology, University of Indonesia, Jakarta, Indonesia, (^3)Department of Genetics, University of Leicester, Leicester, United Kingdom</td>
<td>Serum CRP or CRP Gene (-717C&gt;T) Polymorphism not associated with Periodontitis</td>
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# IADR-SEA ORAL PRESENTATION SCHEDULE

## Oral Session 7 - Periodontology / Microbiology / Immunology (2)

Chair(s): R. M. WATT

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<tr>
<td>028</td>
<td>02:45 PM-03:00 PM</td>
<td>A. SUHARTONO(^2), A. LUGIENA(^2), B. SULIYAYA(^1), N. Z. DJAMAL (^3), S. MASULILI(^1), L. KUSDHANY(^4), C. TALBOT(^5), E. AUERKARF(^6) (^1)Department of Periodontology, University of Indonesia, Jakarta, Indonesia (^2)Department of Oral Biology, University of Indonesia, Jakarta, Indonesia (^3)Department of Oral Biology, University of Indonesia, Jakarta, Indonesia (^4)Department of Periodontology, University of Indonesia, Jakarta, Indonesia (^5)Department of Oral Biology, University of Indonesia, Jakarta, Indonesia (^6)Department of Prosthodontic, University of Indonesia, Jakarta, Indonesia</td>
<td>Methylation Status of Interleukin-8 (IL-8) Gene in Periodontitis Patients</td>
</tr>
<tr>
<td>029</td>
<td>03:00 PM-03:15 PM</td>
<td>X. E. GOH(^1), K. TAN(^2), C. LIM(^2), Y. CHAN (^1), L. LIM(^2) (^1)Yong Loo Lin School of Medicine, National University of Singapore, Singapore, Singapore, (^2)Faculty of Dentistry, National University of Singapore, Singapore, Singapore</td>
<td>Photodynamic Therapy During Supportive Periodontal Therapy: A Randomised Split-mouth Controlled Trial</td>
</tr>
<tr>
<td>030</td>
<td>03:15 PM-03:30 PM</td>
<td>R. M. WATT, X. YU, Y. Y. CHAN, W. LEUNG (^1) (^1)Dentistry, University of Hong Kong, Hong Kong, Hong Kong</td>
<td>Distributions Of Synergistetes Bacteria Within Diseased and Asymptomatic Periodontal Niches</td>
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<tr>
<td>031</td>
<td>03:30 PM-03:45 PM</td>
<td>N. PRAMESWARI(^1,2,3), S. SOETJIPTO(^2), R. P. RAHAYU(^3) (^1)Orthodontics, Hang Tuah University, Surabaya, Indonesia (^2)Medical, Airlangga University, Surabaya, East Java, Indonesia (^3)Dentistry Faculty Airlangga University, Surabaya, East Java, Indonesia</td>
<td>Modulation of Integrin Mediates Collagen Attachment by Stichopus Hermanii in Relapse Orthodontic</td>
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</table>
Results 50 teeth in 28 patients were available for this retrospective study. The range of recall term was from 3 to 41 months, with a mean term was 12.02 months. Of the 50 cases, 49 involved healed teeth, and 1 involved a tooth with persistent disease by clinical assessment. Also of the 50 cases, 45 involved healed teeth, and 5 involved a tooth with persistent disease by radiographic assessment. The range of patient’s age was from 6 to 14 years, with the mean age of 10.53 years. Of the 50 cases, #21 were 24 cases, #11/21 cases, #22/2 cases, #12/2 cases and #31/1 case.

Conclusions These results suggest that OrthoMTA™ may be useful as a root canal treatment procedure. Further research, however, is required to clarify this conclusion.

Methylation Status of Interleukin-8 (IL-8) Gene in Periodontitis Patients

A. SUHARTONO1, A. LUGIENA2, B. SULIJAYA3, N. Z. DJAMAL 3, S. MASULILI4, L. KUSDHANY5, C. TALBOT6, E. AUERKARI6

1Department of Periodontology, University of Indonesia, Jakarta, Jakarta Pusat, Indonesia, 2Department of Oral Biology, University of Indonesia, Jakarta, Indonesia, 3Department of Oral Biology, University of Indonesia, Jakarta, Indonesia, 4Department of Periodontology, University of Indonesia, Jakarta, Indonesia, 5Department of Oral Biology, University of Indonesia, Jakarta, Indonesia, 6Department of Prosthodontic, University of Indonesia, Jakarta, Indonesia, 7Department of Genetics, University of Leicester, Leicester, United Kingdom

Objectives Inflammatory mediators in periodontal disease are sourced from monocytes, lymphocytes, mast cells, fibroblasts and endothelial cells. The mediators are cytokines such as Interleukin-1 (IL-1), Tumor Necrosis Factor-alpha (TNF-a) and Interleukin-8 (IL-8). DNA methylation in IL-8 gene influences the chemotactic factor of neutrophils in periodontitis. Objectives: To determine the methylation status of IL-8 gene and to compare this status in periodontitis patients and healthy individuals.

Methods Bisulfite modification and MS-PCR were used to analyze the methylation status of IL-8 in 35 subjects with periodontitis and in 65 healthy control subjects.

Results Of all subjects, three (3%) were fully methylated, 97 (97%) partially methylated, and none fully unmethylated, and there was no significant difference in the methylation status between the subjects with periodontitis and the control group (p>0.05).

Conclusions No significant difference was found in the IL-8 methylation status between periodontitis patients and healthy individuals.

Photodynamic Therapy During Supportive Periodontal Therapy: A Randomised Split-mouth Controlled Trial

X. E. GOH1, K. TAN2, C. LIM1, Y. CHAN1, L. LIM2

1Yong Loo Lin School of Medicine, National University of Singapore, Singapore, Singapore, 2Faculty of Dentistry, National University of Singapore, Singapore, Singapore

Objectives The study aims to determine if application of photodynamic therapy (PDT), as an adjunct to scaling and root debridement, to residual pockets of patients undergoing supportive periodontal therapy (SPT) has added benefits.

Methods 27 subjects on SPT, each with at least two residual pockets ≥5mm, were recruited for this randomised, split-mouth controlled trial, providing a total of 72 sites. At baseline, probing pocket depth (PPD), recession, clinical attachment level (CAL), plaque and bleeding on probing (BOP) of all sites
Certificate of Attendance

hereby certifies that

A. Winoto Suhartono

has participated in the

29th Annual Scientific Meeting
International Association for Dental Research (IADR)
Southeast Asian Division

as
Presenter

August 14-15th, 2015
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<td>b. Ruang lingkup dan kedalaman pembahasan (30%)</td>
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<td>c. Kecukupan dan kemutahiran data/informasi dan metodologi (30%)</td>
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