



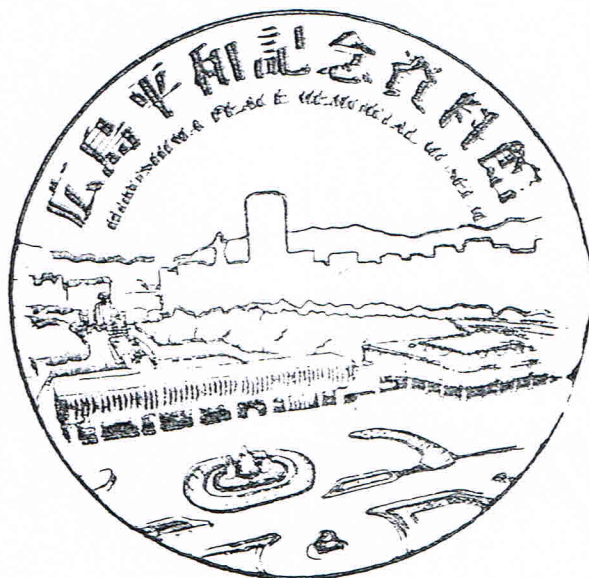
5th



Global Network Initiative for BioDental Education and Research

Hiroshima University Faculty of Dentistry

5th Hiroshima Conference on Education and Science in Dentistry



Proceedings of 5th Hiroshima Conference on Education and Science in Dentistry
October 12-13, 2013, in Hiroshima, Japan

Hiroshima University Faculty of Dentistry

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■ *Airlangga University, Indonesia*

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Nigella sativa oral rinse as an anti oxidant effect reduced bleeding on probing and pocket depth

E.M. Setiawatie

Department of Periodontics, Faculty of Dentistry, Airlangga University, Surabaya, Indonesia

BACKGROUND : Nigella sativa extract have been shown to suppress the growth of supragingival and subgingival bacteria. Nigella sativa extract were reported as an anti inflammation. The beneficial effects of nigella sativa extract were shown to be related to a reduction of the inhibition of inducible nitric oxide synthase and interleukin (IL)-1 β expression. The rationale of the study is based on our previous studies demonstrating the beneficial antioxidant effect of nigella sativa extract 3 % in vitro.

PURPOSE : The aim of the present study is to assess the clinical efficacy of nigella sativa oral rinse 3 % in managing of symptoms associated with progressivity of chronic periodontitis as a bleeding on probing and pocket depth.

MATERIALS AND METHODS : Patients with chronic periodontitis will randomly receive nigella sativa extract oral rinses. Thirty adult chronic periodontitis patient divided into two groups. group 1: comprised fifteen chronic periodontitis involved sites managed by scaling root planing

alone. And group II: comprised fifteen chronic periodontitis involved sites treated by the same technique in adjunct with the application of antioxidant mouth rinse nigella sativa extract 3 %. The patients will rinse 5 ml of the mouthwash, 2 times daily for 14 days. Clinical examination include probing depth (PD) and bleeding on probing (BOP).

RESULTS : These findings suggest that nigella sativa oral rinse 3% may actually decrease bleeding on probing dan pocket depth significantly ($p < 0,05$).

CONCLUSION : We report that nigella sativa oral rinse provides inhibitor effect against bleeding on probing and pocket depth. Nigella sativa oral rinse 3% as an antioxidant effect potential as adjunct theurapetic agent after scaling root planing to prevent progressivity of chronic periodontitis.

Key words : Nigella sativa oral rinse, bleeding on probing, pocket depth



August 28, 2013

**5th Hiroshima Conference on Education and Science in Dentistry
Poster Abstract Acceptance Letter**

Dr. Ernie Maduratna Setiawati
Faculty of Dentistry
Airlangga University
Indonesia

Dear Dr. Ernie Maduratna Setiawati;

The organizing committee of the Hiroshima Conference on Education and Science in Dentistry is pleased to inform you that your abstract has been accepted for poster presentation during the 5th Hiroshima Conference to be held on 12-13, October in Hiroshima, Japan.

We believe the conference will be of great benefit for you, since the world's outstanding investigators will be present. You will have an excellent opportunity to exchange current knowledge on education and science in dentistry. For further information, please check 5th Hiroshima Conference updates at our websites.

We look forward to your participation at the meeting and seeing you in October.

Sincerely yours,

Motoyuki Sugai, DDS., PhD.

President of the Organizing Committee
5th Hiroshima Conference on Education
and Science in Dentistry
Dean, Faculty of Dentistry,
Hiroshima University



HIROSHIMA UNIVERSITY



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17 September 2013

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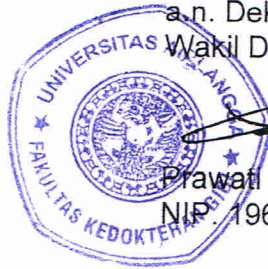
Nama : Dr.Ernie Maduratna S., drg.,M.Kes.,SpPerio(K)
NIP : 196602121992032001
Unit Kerja : Departemen Periodonsia

mohon ijin tidak masuk kerja pada tanggal 12 s.d. 13 Oktober 2013 keperluan untuk menjadi pembicara pada seminar **5th Hiroshima Conference on Education and Science in Dentistry** di Hiroshima, Jepang (copy undangan terlampir).

Pada prinsipnya kami dapat memberikan ijin, untuk itu mohon perkenan Rektor memberikan ijin kepada yang bersangkutan.

Demikian atas perhatiannya disampaikan terima kasih.

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Prawati Nuraini, drg.,M.Kes.,Sp.KGA (K)
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Untuk menjadi pembicara pada seminar **5th Hiroshima Conference on Education and Science in Dentistry** pada tanggal 12 s.d. 13 Oktober 2013 di Hiroshima Jepang.

Demikian Surat Tugas ini dibuat untuk dilaksanakan dengan sebaik-baiknya.

Surabaya, 17 September 2013

a.n Dekan
Wakil Dekan II,



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