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6th FDI - IDA JOINT MEETING

Balikpapan International Dental Exhibition 2010



PROGRAM & ABSTRACTS

CLINICAL EXCELLENCE AND GREEN DENTISTRY :

BRING CHEERFUL SMILE TO THE WORLD

POSTER PRESENTATION
Saturday – November 13, 2010
Venue: Mirror Room

No	AUTHOR(S)	TITLE
1.	Agi Ardianti, Maria Purbiati	Non-Extraction Treatment of Class III Malocclusion With Anterior Crowding (Case Report)
2.	Amiyatun Naini, Suhartini.	The Ability to Adhere Candida Albicans of Acrilic Resin and Valplast Denture Base
3.	Anna Ferlinasari, Kamizar	Case Report Conventional Retreatment on a Maxillary First Molar with Broken Instrument in Mesiobuccal Canal
4.	Ardo Sabir	Using Flavonoids as a Natural Products With High Pharmacological Potency to Improving Oral Health
5.	Ardo Sabir	Rat dental pulp tissue reaction after capped with propolis derived non-flavonoids extract
6.	Auerkari EI, Adiwirya MSK, Widurini DS, Sandra F, Wicaksono BD	White Tea Extract Reduces the Viability of Oral SCC Cell Lines in vitro by Inducing Apoptosis
7.	Aynie Yunita, Safrida Hoesin	Non-Vital Tooth Bleaching of Discolored-Maxillary Central Incisor: A Case Report
8.	Besse Tenri Awaru	The Therapeutic Properties of Propolis in Conservative Dentistry and Endodontic Treatment
9.	Boenjamin-Partakusuma F, Ibrahim-Auerkari E, Dillon DH, Suharsini M ¹	Anemia and underweight among Indonesian Schoolchildren with Angular Cheilitis
10.	Budi Yuwono	The Effect of Coffe Consumtions on Bone Wound Healing
11.	Budi Yuwono, Abdul Rochim	The Effect of Vital Sign on Adrenalin Addition in Local Anaesthetic on Block Injection of Alveolaris Inferior Nerve
12.	Christine A. Rovani	Intracoronar Bleaching of discolored non-vital anterior tooth with Walking Bleach Technique
13.	Desi Sandra Sari	Calprotectin In Gingival Crevicular Fluids Correlates With Clinical Parameter And With The Count Of Black-Pigmented Anaerobes Bacteria On The Aggressive Periodontitis
14.	Devy Noviana, Ratna Meidyawati	Intentional Endodontic Treatment On Maxillary Second Molar to Prepare the Tooth as an Abutment for Fixed Partial Denture
15.	Dewi Kristiana	The effect of <i>Averrhoa Bilimbi</i> Leaf Extract as Denture Cleanser on The Transversal Strength of Acrylic Resin
16.	Didin Erma Indahyani, Izzata Barid, Ari Tri Wanodya Handayani	Effect of Lemuru Fish oil on Tooth Structure Following lipopolysaccharide-induced Periodontal Infection during odontogenesis in rat
17.	Dini Asrianti	Esthetic Onlay as a Restoration of Choice in Post Endodontic Posterior Tooth (Case Report)
18.	Dwi Prijatmoko	The Role of Body Composition in Determining Bone Maturity
19.	Dyah Juniar Hymawatty	The PFAPA Syndrome in Oral Medicine: Differential Diagnosis and Treatment
20.	Dyah Setyorini, Sulistiyani	Effectiveness of Fluoride Topical Application on the Number of Streptococcus Mutans Colony
21.	Eddy Hermanto, Andri Hardianto	Peripheral Osteoma of the Mandible : a Case Report
22.	Emy Ardana	Resin Based Root Canal Sealer Combined With Self-Etching Bonding Agent
23.	Febriana Setiawati Sugito	The Pattern of Severe-Early Childhood Caries (S-ECC) of Children Under Three Years Old in DKI Jakarta
24.	Febrina Rahmayanti, Yuniardini S Wimardhani	Apthous Like Ulcers in Patient with Gastrointestinal Disorder (A case report)
25.	Femmy Riyeni Puteri, Hendrarlin Soenawan	Fiber-Reinforced Composite as A Fixed Space Maintainer : A Case Report
26.	Ferry Jaya, Yosi Kusuma Eriwati	Effect of Surface Treatment On Adhesion to Dentin
27.	Ferry P Gultom	Use Neighbour Joining Technique to Inactivate Gene cdt Aggregatibacter Actynomicetemcommitans Bacteria
28.	Ganessa Wandawa, Dewi Nurul Mustaqimah, Elza Ibrahim Auerkari, Suyanto Sidik	Hyperbaric Oxygen as Alternative Adjunctive Therapy in Treatment of Chronic Periodontitis: Its Effect on Periodontal Pathogens
29.	Hesti Witasari, Munyati Usman	Case report: Endodontic Retreatment using Retreatment Rotary systems
30.	I Dewa Ayu Ratna Dewanti	Neem leaves (<i>Azadirachta indica</i>) Improved Oral Mucosa Defense Mechanism Against <i>Candida albicans</i>
31.	Iin Eliana Triwahyuni	Effect of Immunosuppression and <i>C.albicans</i> Infection to The Macrophage Phagocytosis Activity
32.	Imelda Sriulina Sinulingga, Himawan Halim	Compromised Treatment of Skeletal Class III Malocclusion in Adult
33.	Indah Ekasari, Faruk Hoesin	Treatment of severe crowding case

SCIENTIFIC PRESENTATION 26

THE EFFECT OF AVERRHOA BILIMBI LEAF EXTRACT AS DENTURE CLEANSER ON TRANSVERSAL STRENGTH OF ACRYLIC RESIN

Dewi Kristiana

Department of Prostodontics, Faculty of Dentistry Jember University

Introduction: It has been believed for a long time, especially by Indonesian people, that the Averrhoa Bilimbi leaf has medical efficacy. *S. mutans* are the bacteria that mostly found in the plaque. The plaque on a denture may cause inflammation in mucosal tissue under the denture namely denture stomatitis. **Aims:** The purpose of this study was to evaluate the effects of Averrhoa Bilimbi leaf extracts used as denture cleanser with various concentration and immersion time on the transversal strength of acrylic resin. **Methods:** The samples were heat-cured resin acrylic plates that were immersed in Averrhoa Bilimbi leaf extract with concentration of 4%, 8%, and 16% for 2 days, 10 days and 30 days. Eight samples were immersed in each concentration, and samples control were immersed in distilled water. Universal Testing Machine was used to measure the transversal strength of acrylic resin. The data were analyzed using one way ANOVA and LSD Test. **Results:** The result showed that there were significant differences between the groups ($p < .05$) and there were significant differences on heat-cured resin acrylic plates immersed in Averrhoa Bilimbi leaf extract with concentration of 4%, 8%, 16% in the transversal strength between the various concentration and soaking duration. **Conclusion:** The extract of Averrhoa Bilimbi leaf of 16% concentration with the soaking duration of 30 days decreased the transversal strength of acrylic resin. **Keywords:** Heat cured acrylic, Averrhoa Bilimbi leaf, and transversal strength.

SCIENTIFIC PRESENTATION 27

EFFECT OF LEMURU FISH OIL ON TOOTH STRUCTURE FOLLOWING LIPOPOLYSACCHARIDE-INDUCED PERIODONTAL INFECTION DURING ODONTOGENESIS IN RAT

Didin Erma Indahyani¹), Izzata Barid¹) , Ari Tri Wanodya Handayani²)

1)Department of Oral Biology, 2) Departement of Public Dental Health, Faculty of Dentistry, Jember University.

The aim of the study was to analyze the effect of lemuru fish oil on tooth formation especially on tooth structure that had periodontal infection during odontogenesis. Thirty Wistar rat, male, 5 days of age, were divided into 3 groups. As the control group, there was no any treatment to first group. The second group were injected LPS to trigger periodontal inflammation. The third group were injected LPS and administered lemuru fish oil orally/day/1 ml/300-350g body weight. The rats were decapitated on the age of 13 and 21 days. The analysis of tooth structure used the HHI index. The results of the study showed that the inflammation of periodontal during odontogenesis produced tooth hypoplasia and hypocalsification. Scoring of HHI index was 9 and 8, it meant that the hypoplasia and the hypocalsification involved the entire tooth surface. The Lemuru fish oil was able to suppress the tooth hypoplasia and hypocalsification. Rats that were inducted LPS and treated with the lemuru fish oil have the HHI index aproximally 5 and 6, it meant that the tooth hypoplasia and hypocalsification involved one of the surface of the tooth. In addition, there were more rats without hypoplasia or hypocalsification. It was concluded that the lemuru fish oil was proficient to prevent the occurrence of tooth hypoplasia and hypocalsification. **Keywords:** Fish oil, Lipopolysaccharide, hypoplasia and hypocalsification, odontogenesis.