

Abstract Submitted For Review

Click to print this page now.

You have submitted the following abstract to the IADR Asia/Pacific Region (APR) Regional Meeting and Co-Annual Scientific Meeting of IADR Divisions (August 21-23, 2013). Receipt of this notice does not guarantee that the submission was necessarily complete or correct; imply that any errors have been detected; or indicate that it has been accepted for presentation.

Different Effect Between Fluoride Toothpaste And Its Combination With Probiotics(*L.reuteri*)

D. ANDRIANI, Oral Biology, University of Hang Tuah, Surabaya, Indonesia

Abstract

*Objective: Fluoride is one of the most agents that prevent dental caries. Probiotics *L.reuteri* can reduce number of *S.mutans* and stimulate salivary sIgA. The objective of this study was to examine the effect of fluoride toothpaste and its combinations with probiotic *L.reuteri* in child salivary sIgA spesific *S.mutans* level.*

*Method: This study was quasi eksperimental with pre-test post-test control group design. 24 healthy children, 4-6 years old, devide into 2 groups. 12 free caries (group1) and 12 caries (group 2). Each group treated with fluoride toothpaste (sodium fluoride 0,11%) during 1 weeks and combine with probiotic *L.reuteri* prodentis chewing gum (2×10^8 CFU) during 2 weeks. Unstimulated saliva collected in the morning due to circadian rhytm, and responden instructed fasting for 2 hours before saliva collection. Salivary sIgA spesific *S.mutans* were measured with ELISA method. Data were analyzed with Kruskall Wallis and Mann Withney ($p=0,05$).*

Result: There were significant differences of sIgA level between free caries and caries group before treated ($p=0,017$) and after 7 days treated with fluoride toothpaste ($p=0,018$). There were no significant differences of sIgA level between free caries and caries group after 7 days ($p=0,198$) and 14 days ($p=0,456$) treated with combination fluoride and probiotic toothpaste.

*Conclusion: Salivary sIgA spesific *S.mutans* level in caries is significantly higher than free caries before and after treated with fluoride toothpaste. There is no difference salivary sIgA spesific *S.mutans* level in caries and free caries group, before and after treated with fluoride toothpaste and probiotic *L.reuteri*.*

Abstract ID#:

180906

Password:

987141

Submitter's E-mail Address:

riadwiandriani@yahoo.com

Submitter Full Name:

Dwi Andriani

Program Selection: Scientific Program

Preferred Presentation Format:

Oral

The presenter is interested in becoming an oral session chair.
not a student

This research received no specific grant from any funding agency in the public, commercial, or not-for-profit sectors.

This paper is competing for the following awards:

IADR/SEA Unilever Divisional Award - Junior researchers (for active IADR-SEA members only)

Keywords:

Antimicrobial agents/inhibitors, Caries, Chewing gum, Fluoride and salivary sIgA

First author

Presenting Author

Dwi Andriani

University of Hang Tuah, Oral Biology

Arif Rahman Hakim 150

Surabaya, 601111

Indonesia

Phone Number: 6281703133123

Email Address: riadwiandriani@yahoo.com

IF NECESSARY, YOU CAN CHANGE YOUR ABSTRACT BETWEEN NOW AND THE SUBMISSION DEADLINE -- **May 15, 2013**

- If you are reading these instructions on screen
 - Click on the appropriate link in the Abstract Control Panel
 - Make your changes and submit them.
- If you are reading these instructions on paper
 - Point your browser to <http://iadr.confex.com/iadr/apr13/>
 - Log in using your special ID (180906) and password (987141).
 - Then click on the appropriate link in the Abstract Control Panel
 - Make your changes and submit them.

Any changes that you make will be reflected instantly in what is seen by the reviewers. You do NOT need to go through all of the submission steps in order to change one thing. If you want to change the title, for example, just click "Enter Title" in the Abstract Control Panel and submit the new title. You can close your browser, or browse to some other web site, as soon as you have submitted the change.

REMEMBER TO REGISTER FOR THE MEETING

All presenters, including invited speakers, must register and are responsible for their meeting registration fees, unless otherwise notified in writing by IADR/AADR. **To register, see the Meeting Home Page below.**

Tell us what you think of online abstract submittal

Tell us what you liked or what we need to improve and we'll work on new features for future meetings.

IADR/AADR Meeting Page