comparative evaluation of plaque control following tooth brushing with three different dentifrices and without dentifrice

Protocol summary

Summary
The present study is used to evaluate the plaque removal efficacy of dentifrice alone during the manual tooth brushing. The study population consisted of 30 student volunteers of dental school of Isfahan medical university. Inclusion criteria: age > 18 years and at least 5 evaluable teeth per quadrant. Exclusion criteria are: orthodontic appliances, removable denture, pregnancy, smoking, periodontitis, any systemic disease that may effect the oral condition and hypersensitivity to the components of the dentifrices. Study design: in a double blinded cross over study 30 subjects, after 48 hours plaque accumulation have brushed randomly with one of the four study methods (brushing with one of the 3 dentifrices that differs with respect to the relative dentin abrasivity (RDA) and without dentifrice), under supervision for 2 minutes. Study was applied in 4 sessions and each subject experienced brushing with all of the methods at the end of the 4th session. Difference in plaque score before and after tooth brushing constitute the plaque reduction. Plaque scores was assessed according to the Quigly and Hein index (Turskey and Loben modification) and they were recorded, analyzed and compared.

General information

Acronym
IRCT registration information
IRCT registration number: IRCT201102234877N3
Registration date: 2011-09-04, 1390/06/13
Registration timing: retrospective

Last update: 2011-09-04, 1390/06/13

Registration date: 2011-09-04, 1390/06/13

Registrant information
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Recruitment status
Recruitment complete
Funding source: Isfahan University of Medical Sciences

Expected recruitment start date: 2010-10-23, 1389/08/01
Expected recruitment end date: 2011-02-20, 1389/12/01
Actual recruitment start date: empty
Actual recruitment end date: empty
Trial completion date: empty

Scientific title: comparative evaluation of plaque control following tooth brushing with three different dentifrices and without dentifrice

Public title: comparison of efficacy of tooth brushing with three different dentifrices and without dentifrice in plaque removal.

Purpose: Prevention

Inclusion/Exclusion criteria
Inclusion criteria: age > 18 years and at least 5 evaluable teeth per quadrant; Exclusion criteria: orthodontic appliances; removable denture; pregnancy; smoking; periodontitis; any systemic disease that may effect the oral condition; hypersensitivity to the components of the dentifrices;

Age: No age limit
Gender: Both
Phase:
Secondary outcomes
empty

Intervention groups

1
Description
In the third session, the first step is type 3; ORIGINAL SENSODINE to all of the volunteers and ask them to brush with the new toothbrush and toothpaste for a week in order to be familiar to them. Then ask them not to use any kind of plaque control method for 48 hours. The next step is measuring of plaque and then ask them to brush with their new toothbrush and toothpaste for 2 minutes. In the next step, examiner measures the post brushing plaque and amount of plaque reduction and record it.

Category
Prevention

2
Description
The last session is asking volunteers not to use any kind of plaque control method for 48 hours. Then measuring of plaque and then ask them to brush with their new toothbrush and without any toothpaste for 2 minutes. In the next step, examiner measures the post brushing plaque and amount of plaque reduction and record it.

Category
Prevention

3
Description
The first step is giving the same toothbrush (gum 411) and toothpaste type 1; Whitening Poone to all of the volunteers and ask them to brush with the new toothbrush and toothpaste for a week in order to be familiar to them. Then ask them not to use any kind of plaque control method for 48 hours. The next step is measuring of plaque and then ask them to brush with their new toothbrush and toothpaste for 2 minutes. In the next step, examiner measures the post brushing plaque and amount of plaque reduction and record it.

Category
Prevention

4
Description
In the next session, first step is giving the toothpaste type 2; 3DWHITE CREST to all of the volunteers and ask them to brush with the new toothbrush and toothpaste for a week in order to be familiar to them. Then ask them not to use any kind of plaque control method for 48 hours. The next step is measuring of plaque and then ask them to brush with their new toothbrush and toothpaste for 2 minutes. In the next step, examiner measures the post brushing plaque and amount of plaque reduction and record it.
Category
Prevention

Recruitment centers

1
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Name of recruitment center
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Full name of responsible person
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Sponsors / Funding sources

1
Sponsor
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Full name of responsible person
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Grant name
Title of funding source
Vice chancellor for research, Isfahan University of Medical Sciences
Is the source of funding the same sponsor organization/entity?
Yes
Proportion provided by this source
100
Public or private sector
empty
Domestic or foreign origin
empty
Category of foreign source of funding
empty
Country of origin
empty
Type of organization providing the funding
empty

Person responsible for general inquiries

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Person responsible for updating data

Contact

Sharing plan
Deidentified Individual Participant Data Set (IPD)
empty
Study Protocol
empty
Statistical Analysis Plan
empty
Informed Consent Form
empty
Clinical Study Report
empty
Analytic Code
empty

Data Dictionary
empty