Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Nov 2026

Evaluation of sequences of flossing and brushing on periodontal indices.

Protocol summary

Summary

The purpose of this study is to evaluate the effect of sequence order of brushing and flossing on periodontal indices.This cross-over clinical trial is conducted on 35 students recruited from dental school, Hamedan University of Medical sciences. Inclusion criteria: having healthy gingiva and last grad dentistry student. Exclusion criteria: no systemic disease; no gingivitis and periodontist and no use of orthodontic appliance. The subjects will ask to brush then using dental floss for a 2-week period and use dental floss then brushing for another 2-week period. The subjects practice dental hygiene according to their habitual method for a 7-day washout interval between two periods. The individuals will receive scaling and professional brushing in the beginning and undergoing PCI, PI and BOP measurement at the end of each period.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2012071710304N1**
Registration date: **2012-08-06, 1391/05/16**
Registration timing: **prospective**

Last update:
Update count: **0**

Registration date

2012-08-06, 1391/05/16

Registrant information

Name
Davood Mansoori
Name of organization / entity
Hamedan University of Medical Sciences
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Iran (Islamic Republic of)
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+98 81 3838 1074
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sr.arabi@umsha.ac.ir

Recruitment status

Recruitment complete

Funding source

Hamedan University of Medical Sciences

Expected recruitment start date

2012-09-22, 1391/07/01

Expected recruitment end date

2012-12-21, 1391/10/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of sequences of flossing and brushing on periodontal indices.

Public title

Effects of sequence of flossing and brushing on periodontal indices.

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: having healthy gingiva and last grad dentistry student. Exclusion criteria: no systemic disease; no gingivitis and periodontist and no use of orthodontic appliance.

Age

From **23 years** old to **25 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **35**

Randomization (investigator's opinion)
N/A

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Crossover

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Hamedan University of Medical Sciences Ethics Committee

Street address
Mahdiyeh street, PZhoohesh four way, in front of Mardom park, Hamedan University of Medical Sciences

City
Hamedan

Postal code

Approval date
2012-04-22, 1391/02/03

Ethics committee reference number
16/35/9/240/پ/د

Health conditions studied

1

Description of health condition studied
Periodontal indices

ICD-10 code
K05.6

ICD-10 code description
Periodontal disease, unspecified

Primary outcomes

1

Description
plaque index

Timepoint
two weeks

Method of measurement
given disclosing tabs to subjects and account of coulered teeth surfaces

2

Description
plaque control record

Timepoint
two week

Method of measurement
given disclosing tablets to subjects and acount of coulered teeth sourfaces.

3

Description
bleeding on probing

Timepoint
two weeek

Method of measurement
using of probing of gingival salcus and measurment of bleeding points.

Secondary outcomes

empty

Intervention groups

1

Description
the correct way of Flossing and brushing will educated to all of subjects. and same brush, floss and toothpaste will give to them.The individuals will receive scaling and professional brushing in the beginning. The subjects were asked to brush then using dental floss for a 2-week period and use dental floss then brushing for another 2-week period. The subjects practiced dental hygiene according to their habitual method for a 7-day washout interval between two periods. there is only one group in this study and each person compares with itself.

Category
Lifestyle

Recruitment centers

1

Recruitment center

Name of recruitment center
Periodontologhy department, Hamedan faculty of dentistry

Full name of responsible person

Street address

City
Hamedan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Vice chancellor for research, Hamedan University of

Medical Sciences

Full name of responsible person
Haidar Tavilani

Street address
Mahdiyeh street, In front of Mardom park, Hamedan University of Medical Sciences

City
Hamedan

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?
Yes

Title of funding source
Vice chancellor for research, Hamedan University of Medical Sciences

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

Type of organization providing the funding
empty

Person responsible for general inquiries

Contact

Name of organization / entity
Hamedan University of Medical Sciences

Full name of responsible person
Parviz torkzaban

Position
PhD

Other areas of specialty/work

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Person responsible for scientific inquiries

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Other areas of specialty/work

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Person responsible for updating data

Contact

Name of organization / entity
Hamedan University of Medical Sciences

Full name of responsible person
Marieh Rashidi

Position
Student of dentistry

Other areas of specialty/work

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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