

Clinical Trial Protocol

Iranian Registry of Clinical Trials

09 Jun 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

Country

Iran (Islamic Republic of)

Phone

+98 81 3838 1074

Email address

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/د/پ

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 account of coulered teeth sourfaces.

3

Description

bleeding on probing

Timepoint

two weeeek

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

Periodontology 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

Street address

Mahdiye street, in front of Mardom park, Hamedan
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torkzaban@umsha.ir

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Hamedan University of Medical Sciences

Full name of responsible person

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Position

PhD

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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Web page address

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