

Clinical Trial Protocol

Iranian Registry of Clinical Trials

01 Aug 2026

The comparison of the effect of traditional and off-line electronic educational methods on the knowledge and attitude of the undergraduate dental students regarding periodontal diseases

Protocol summary

Summary

The aim of this study was to investigate and compare the effects of implementing two educational methods i.e. traditional learning method and electronic- based learning (forum), on the knowledge and attitudes of dental students of Shiraz University of Medical Sciences regarding periodontal diseases during 1393-1394 (2014-2015). Study design; Participants were randomized by block randomization method. Inclusion criteria; Dental students of Shiraz University of Medical Sciences who have passed all theoretical periodontology courses and were involved with practical periodontology IV have been recruited in this survey after a participating plea in periodontics department. Exclusion criteria; the volunteer students who could not adjust their time to participate in the traditional class or attend the electronic course have been excluded from the study. To meet the ethical aims of the study, the students have been assured that their score in this study would be remained confidential and would not influence their final score. Moreover, they were permitted to leave the research for any reason or at any time of their convenience. Sample Size; Following a call for participation, forty-four have participated in the study. They were randomly divided into two equal groups; Traditional and Electronic. Time Intervention; For The traditional group, the session would be held for one and half hour and for the electronic group a forty eight-hour session would be considered to let them participate in any time of the day to provide a forum for relevant networking and sharing experiences.

General information

Acronym

-

IRCT registration information

IRCT registration number: **IRCT2015041221709N1**

Registration date: **2015-07-18, 1394/04/27**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2015-07-18, 1394/04/27

Registrant information

Name

Nahid Zarifsanaiey

Name of organization / entity

School of Medicine, University of Medical Sciences
Shiraz

Country

Iran (Islamic Republic of)

Phone

+98 71 3235 2942

Email address

karanjam@sums.ac.ir

Recruitment status

Recruitment complete

Funding source

Investigator

Expected recruitment start date

2015-05-22, 1394/03/01

Expected recruitment end date

2015-06-20, 1394/03/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The comparison of the effect of traditional and off-line electronic educational methods on the knowledge and attitude of the undergraduate dental students regarding periodontal diseases

Public title
The difference between traditional and electronic educationperiodontal in dental students

Purpose
Other

Inclusion/Exclusion criteria
Inclusion criteria; Dental students of Shiraz University of Medical Sciences who have passed all the theoretical periodontology courses and were involved with practical periodontology IV have been be recruited in this survey after a participating plea in periodontics department. Exclusion criteria; the volunteer students who could not amend their time to participate in the traditional class or attend the electronic course have been excluded from the study. To meet the ethical aims of the study, the students have been assured that their score in this study would be remained confidential and would not influence their final score. Moreover, they were permitted to leave the research for any reason or at any time of their convenience.

Age
From **22 years** old to **25 years** old

Gender
Both

Phase
3

Groups that have been masked
No information

Sample size
Target sample size: **44**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features
Block Randomization

Secondary Ids

1

Registry name
-

Secondary trial Id
-

Registration date
empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Shiraz University of Medical Sciences

Street address

Shiraz University of Medical Sciences, Zand, Ave.

City

Shiraz

Postal code

Approval date

2015-03-15, 1393/12/24

Ethics committee reference number

CT-9375-7425

Health conditions studied

1

Description of health condition studied

-

ICD-10 code

-

ICD-10 code description

-

Primary outcomes

1

Description

Attitude Score

Timepoint

The assessment will be done just before and after class.

Method of measurement

Assessment will be done by an attitude questioner designed by doctor Mir Ali Seyednaghavi Tang.

2

Description

Knowledge Score

Timepoint

The assessment will be done just before and after class.

Method of measurement

Knowledge assessment will be done by a questioner designed by the researcher

Secondary outcomes

1

Description

-

Timepoint

-

Method of measurement

-

Intervention groups

1

Description

Test group will have access to forum program for forty eight hours. The students of this group can interact and share their experiences during these two days.

Category

N/A

2

Description

The control group will take part in a one and a half- hour session.

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Department of Periodontics, School of Dentistry
Shiraz

Full name of responsible person

Doctor.Farin Kiany Yazdi

Street address

Department of Periodontics, School of Dentistry
Shiraz

City

Shiraz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Doctor Nahid Zarifsanaiey

Full name of responsible person

Department of Medical Education

Street address

Neshat, Ave. Zand, Ave. University of Medical
Sciences Shiraz, Medical Sciences Center of
excellence for electronic learning.

City

Shiraz

Grant name

-

Grant code / Reference number

-

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

Yes

Title of funding source

Doctor Nahid Zarifsanaiey

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

School of Dentistry Shiraz

Full name of responsible person

Doctor.Farin Kiany Yazdi

Position

Assistant professor of periodontology department

Other areas of specialty/work

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Department of Medical Education

Full name of responsible person

Doctor Nahid Zarifsanaiey

Position

Assistant Professor and Head of Department
Department of eLearning planning

Other areas of specialty/work

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Person responsible for updating data

Contact

Name of organization / entity

Full name of responsible person

Sara Karanjam

Position**Other areas of specialty/work****Street address**

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Postal code**Phone**

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Fax**Email**

karanjam@sums.ac.ir

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