Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Nov 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

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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

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Person responsible for updating data

Contact
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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