

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

12 Sep 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

##### Street address

Department of Periodontics, School of Dentistry  
Shiraz

##### City

Shiraz

##### Postal code

##### Phone

+98 71 3627 0322

##### Fax

##### Email

farinkiany@yahoo.com

##### Web page address

## 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

##### Street address

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

##### City

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##### Postal code

##### Phone

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nzarifsanaee@gmail.com; sanaieyn@sums.ac.ir

##### Web page address

## 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**

Department of Periodontics, School of Dentistry  
Shiraz

**City**

Shiraz

**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*