Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

Designing and evaluating the use of Electronic Portfolio on the knowledge level and attitudes of virtual postgraduate medical education students at Shiraz University of Medical Sciences in 2015.

Protocol summary

Summary

Current research aims: To design and evaluate an electronic portfolio on the knowledge and attitudes of virtual graduate medical education students at Shiraz University of Medical Sciences in 2015. Study design: This was a single-group quasi-experimental study with pretest - post-test. Study population: All virtual graduate medical education students. Inclusion criteria: First stage: experts specialized in one of electronic learning, medical education, instructional design, lesson planning and evaluation. Second stage: the student to be enrolled in the virtual postgraduate medical education at Shiraz University of Medical Sciences; the student has chosen research in education from the curriculum. Exclusion criteria: First stage: unwillingness to continue the cooperation. Second stage: the student dose not participate in the electronic portfolio more than 2 weeks; the student deletes the research in education from the curriculum. Volume of the study: Initially the total number were 44, but due to unwillingness of 11 students the number decreased to 33. Intervention: Initially there was an online teaching session of using the electronic portfolio. A pretest was done to evaluate the knowledge level of the students. Then a one day workshop about the lesson was held. Following this, the students were evaluated for two months during the semester by the electronic portfolio. At the end of the semester, in order to assess students' knowledge level changes, post-test was performed and their attitudes toward the evaluation by electronic portfolio were assessed. Outcome: Level of knowledge, attitude toward the evaluation by electronic portfolio.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016051027828N1**
Registration date: **2016-07-19, 1395/04/29**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2016-07-19, 1395/04/29

Registrant information

Name
Samie Etemadi
Name of organization / entity
Shiraz University of Medical Sciences
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Iran (Islamic Republic of)
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+98 71 5251 3958
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etemadisa@sums.ac.ir

Recruitment status

Recruitment complete

Funding source

Investigator.

Expected recruitment start date

2015-09-23, 1394/07/01

Expected recruitment end date

2016-01-30, 1394/11/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Designing and evaluating the use of Electronic Portfolio

on the knowledge level and attitudes of virtual postgraduate medical education students at Shiraz University of Medical Sciences in 2015.

Public title
Designing & evaluating of using the Electronic Portfolio.
Purpose
Other
Inclusion/Exclusion criteria
Inclusion criteria: First stage: experts specialized in one of electronic learning, medical education, instructional design, lesson plan and evaluation. Second stage: the student to be enrolled in the Shiraz virtual graduate medical education; the student has chosen research in education from the curriculum. Exclusion criteria: First stage: unwillingness to continue the cooperation. Second stage: the student dose not participate in the electronic portfolio more than 2 weeks; the student deletes the research in education from the curriculum.
Age
No age limit
Gender
Both

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **33**
Randomization (investigator's opinion)
N/A
Randomization description
Blinding (investigator's opinion)
Not blinded
Blinding description
Placebo
Not used
Assignment
Single
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Shiraz University of Medical Sciences
Street address
Research Assistance, 7th Floor, Central Building of Shiraz University of Medical Sciences, In front of Palestine Street, Zand Street.
City
Shiraz
Postal code
7134814336
Approval date
2016-01-01, 1394/10/11
Ethics committee reference number
ir.sums.ric.1394.170

Health conditions studied

1

Description of health condition studied
Electronic Portfolio
ICD-10 code
Z55.9
ICD-10 code description
Problem related to education and literacy, unspecified

Primary outcomes

1

Description
Knowledge level
Timepoint
Before intervention & 2 months after the beginning of intervention
Method of measurement
Test

2

Description
Attitude toward evaluation by electronic portfolio
Timepoint
After intervention
Method of measurement
Questionnaire

Secondary outcomes

empty

Intervention groups

1

Description
At first the students had online knowledge level pretest. Then during the semester, they put their learning exercises and reflections in their own portfolio regularity; and the tutor gave them feedback on regular schedules. After 2 months the students had knowledge level post-test and completed the questionnaire of attitude toward evaluation by the electronic portfolio.
Category
Other

Recruitment centers

1

Recruitment center
Name of recruitment center
Education Development Center
Full name of responsible person

Samie Etemadi (Graduate Student of Medical Education)

Street address

Electronic Education Unit, Education Development Center, Third floor, Sina & Sadra hall, Neshat Street.

City

Shiraz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Shiraz University of Medical Sciences

Full name of responsible person

Samie Etemadi

Street address

Research Assistance, 7th Floor, Central Building of Shiraz University of Medical Sciences, In front of Palestine Street, Zand Street.

City

Shiraz

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Shiraz 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

Shiraz University of Medical Sciences

Full name of responsible person

Samie Etemadi

Position

Graduate Student of Medical Education

Other areas of specialty/work

Street address

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Shiraz University of Medical Sciences

Full name of responsible person

Dr. Nahid Zarifsanayei

Position

Doctorate of Planning of Distance Education

Other areas of specialty/work

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Web page address

Person responsible for updating data

Contact

Name of organization / entity

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Full name of responsible person

Samie Etemadi

Position

Graduate student of Medical Education

Other areas of specialty/work

Street address

Research Assistance, 7th Floor, Central Building of Shiraz University of Medical Sciences, In front of Palestine Street, Zand Street.

City

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Email

etemadisa@sums.ac.ir samarsahar16@yahoo.com

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