

Clinical Trial Protocol

Iranian Registry of Clinical Trials

20 Sep 2026

Clinical trial the effect of training on the level of performance and critical thinking ability of nursing students

Protocol summary

Summary

This interventional study aimed to compare the effect of education based on integration and simulation on the level of performance and critical thinking ability of nursing students. The study population included all of Bachelor of Science nursing students in the first semester of nursing education program. The sample (n=40) will be selected based on census and randomly allocated to the experience and control groups. Guest students would be omitted from the study. In order to teach practical section of fundamental of nursing course in the experience group, the integration method including clinical scenarios, problem solving, group discussions and simulation will be used. In the control group simulation will be used to teach the same course. In the both groups the education will be included ten sessions each lasting two hours. The critical thinking ability of both groups will be assessed by the California's Critical Thinking Skills Questionnaire B prior to and after the intervention. In addition, the level of performance of students of both groups will be assessed by Observation Structural clinical Examination. The expected outcomes of the study will be the created changes in the level of performance and critical thinking ability of the students.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015091323990N1**
Registration date: **2016-06-26, 1395/04/06**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2016-06-26, 1395/04/06

Registrant information

Name

Farideh Saadat

Name of organization / entity

Shiraz University of Medical Sciences

Country

Iran (Islamic Republic of)

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+98 71 3647 4254

Email address

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Recruitment status

Recruitment complete

Funding source

Shiraz University of Medical Sciences

Expected recruitment start date

2013-02-19, 1391/12/01

Expected recruitment end date

2013-07-21, 1392/04/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Clinical trial the effect of training on the level of performance and critical thinking ability of nursing students

Public title

The effect of training on the performance and critical thinking ability

Purpose

Other

Inclusion/Exclusion criteria

Inclusion criteria: first-year Nursing students are enrolled at the School Exclusion criteria: guest students were removed from the study

Age
No age limit

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: 40

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features
Randomizing has been done using table of random numbers.

Secondary Ids

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 Street.

City

Shiraz

Postal code

Approval date

2013-10-14, 1392/07/22

Ethics committee reference number

6673

Health conditions studied

1

Description of health condition studied

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Critical thinking ability

Timepoint

Before and after intervention

Method of measurement

California Critical Thinking Skills Test (B)

Secondary outcomes

1

Description

Average score of diploma

Timepoint

Before intervention

Method of measurement

Complete the questionnaire

Intervention groups

1

Description

Intervention group: In order to teach practical section of fundamental of nursing course, the integration method including clinical scenarios, problem solving, group discussions and simulation will be used. The education will be included ten sessions each lasting two hours.

Category

Other

2

Description

Control group: In order to teach practical section of fundamental of nursing course, simulation will be used. The education will be included ten sessions each lasting two hours.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Shiraz School of Nursing and Midwifery

Full name of responsible person

Saadat Farideh

Street address

Namazi Square, Shiraz School of Nursing and Midwifery.

City

Shiraz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor for research of Shiraz University of Medical Sciences

Full name of responsible person
Nahid Zarif Sanaee

Street address
Sina- Sadra Halls Complex, Neshat Ave, Shiraz, Iran.

City
Shiraz

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 of 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
Education Development and Research Center, Shiraz University of Medical Sciences, Shiraz, Iran.

Full name of responsible person
Farideh Saadat

Position
Master Science/Instructor of Nursing and Midwifery ,School of Nursing and Midwifery

Other areas of specialty/work

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Person responsible for scientific inquiries

Contact

Name of organization / entity
Center of Excellence for E-Learning in Medical Sciences

Full name of responsible person

Nahid Zarif Sanaee

Position
PhD in Distance Educational Planning

Other areas of specialty/work

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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