

Clinical Trial Protocol

Iranian Registry of Clinical Trials

20 Sep 2026

Comparison the effect of three methods of education: inquiry based, bedside and common on clinical learning in nursing students

Protocol summary

Summary

This is a clinical trial to evaluate the comparison the effect of three methods of education : inquiry based, bedside and common on clinical learning in nursing students. 60 senior nursing students who had intensive care unit in ICU that have passed theoretical unit of critical care, will be selected with convenience sampling and will be randomly divided into 3 groups of 20 people. After administration of the pretest, students in the control group will be trained by common method and in one of the experimental group will be used the inquiry method and the other group will be trained by the bedside method for 10 days. at the end of training 3 groups will be completed post test and students clinical skills will be compared.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015030217873N2**

Registration date: **2015-04-30, 1394/02/10**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2015-04-30, 1394/02/10

Registrant information

Name

Parvanrh Asgari

Name of organization / entity

Arak University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 86 3417 3808

Email address

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Recruitment status

Recruitment complete

Funding source

Arak University of Medical Sciences

Expected recruitment start date

2015-09-23, 1394/07/01

Expected recruitment end date

2016-02-20, 1394/12/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison the effect of three methods of education: inquiry based, bedside and common on clinical learning in nursing students

Public title

Effect of three methods of education (inquiry, bedside, common) on learning in nursing students

Purpose

Health service research

Inclusion/Exclusion criteria

Inclusion criteria: Willingness and consent to participate in the study; Passing intensive care of theoretical nursing unit in the last academic semesters; lack of jobs that were related to the nursing jobs. Exclusion criteria: Failure to complete post test by students.

Age

From **20 years** old to **22 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 60

Randomization (investigator's opinion)

Randomized

Randomization description**Blinding (investigator's opinion)**

Not blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Arak University of Medical Sciences

Street address

Faculty of Nursing and Midwifery, Arak University of Medical Sciences, Sardasht,

City

Arak

Postal code**Approval date**

2015-02-20, 1393/12/01

Ethics committee reference number

93-167-16

Health conditions studied**1****Description of health condition studied**

Clinical learning of students

ICD-10 code

-

ICD-10 code description

-

Primary outcomes**1****Description**

Learning

Timepoint

Before and 10 days after intervention

Method of measurement

Questionnaire of cognitive, emotional and functional

Secondary outcomes

empty

Intervention groups**1****Description**

The first intervention group nursing students will be trained by inquiry based(create a puzzling situation) for 10 days.

Category

Other

2**Description**

The second intervention group nursing students will be trained by bedside method(direct contact with the patient) for 10 days.

Category

Other

3**Description**

The control group nursing students will be trained by common method(routine educational in the ward) for 10 days.

Category

Other

Recruitment centers**1****Recruitment center****Name of recruitment center**

Vali Asr hospital

Full name of responsible person

Parvaneh asgari

Street address

Faculty of Nursing and Midwifery, Arak University of Medical Sciences, Sardasht, Arak

City

Arak

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Arak University of Medical Sciences

Full name of responsible person

Dr.rafei

Street address

Arak; Rahahan Sq;Alamolhoda St;Arak University of Medical Sciences

City

Arak

Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
 Yes
Title of funding source
 Arak 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
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Person responsible for updating data

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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