# Clinical Trial Protocol
# Iranian Registry of Clinical Trials

20 Sep 2026

## Comparision 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)
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+98 86 3417 3808
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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**
Comparision 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 eith 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**
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**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**
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Arak University of Medical Sciences
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Parvaneh Asgari
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Instructor
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## Person responsible for scientific inquiries

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## Person responsible for updating data

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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*