

Clinical Trial Protocol

Iranian Registry of Clinical Trials

08 Jul 2026

The effectiveness of self- learning module on the nursing students' clinical competency

Protocol summary

Study aim

Determining the mean of clinical competency scores in the control group in nursing students. Determination of mean clinical competency score in intervention group in nursing students. Comparison of the mean of clinical competency scores in the control group with the intervention group in nursing students.

Design

In this single blind study, participants have been randomly assigned to two groups of control.

Settings and conduct

This study was conducted on nursing graduate students as participation at Hamedan Nursing Faculty who completed clinical lessons.

Participants/Inclusion and exclusion criteria

Attend nursing clinical skills classes; absence in the Objective Structured Clinical Examination

Intervention groups

Clinical skills training based on the nursing course syllabus was routinely provided to the control and test group at the clinical skills center. Then one week before the Objective Structured Clinical Examination, a clinical skill module based on learning objectives was provided to the test group. Took Oscillation tests were first taken from the control group and then from the test group. The format of each module includes 1. Introduction 2. The goals of the self-learning module 3. The content of the study program and the various questions to evaluate students' learning and exercises repeatedly with the response to instant feedback, tables, pictures, videos and audio that help students to learn deeply. 4. Additional resources (books, websites)5. Assessment questionnaire.

Main outcome variables

Clinical competence, clinical skills

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20170611034457N2**
Registration date: **2018-08-26, 1397/06/04**
Registration timing: **retrospective**

Last update: **2018-08-26, 1397/06/04**

Update count: **0**

Registration date

2018-08-26, 1397/06/04

Registrant information

Name

Shahin Tohidi

Name of organization / entity

lorestan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 916 159 3538

Email address

sh.tohidi@umsha.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2016-08-05, 1395/05/15

Expected recruitment end date

2017-04-04, 1396/01/15

Actual recruitment start date

2016-08-02, 1395/05/12

Actual recruitment end date

2017-04-04, 1396/01/15

Trial completion date

empty

Scientific title

The effectiveness of self- learning module on the nursing students' clinical competency

Public title

Self- learning module

Purpose

Education/Guidance

Inclusion/Exclusion criteria**Inclusion criteria:**

Attend nursing clinical skills classes Term Student is a nursing bachelor

Exclusion criteria:

Absence in the Associate Exam History of participation in clinical skills training courses

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

- Outcome assessor

Sample size

Target sample size: **46**

Actual sample size reached: **46**

Randomization (investigator's opinion)

Randomized

Randomization description

All of the semester students were a nursing bachelor who had entry criteria for inclusion in the study. According to the classification of the students by the clinical affairs of this faculty, they were randomly assigned (in alphabetical order), so the students were randomly assigned to two groups and each group was randomly assigned to the control group and the clinical skills module.

Blinding (investigator's opinion)

Single blinded

Blinding description

After conducting intervention and education to the students, the assessor evaluated the students' clinical skills during the OSCE Test without knowing the division of the subjects in the intervention and test groups.

Placebo

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

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

کمیته اخلاق دانشگاه علوم پزشکی همدان

Street address

Hamedan University of Medical Sciences, Shahid Fahmideh St.

City

Hamedan

Province

Hamadan

Postal code

65178

Approval date

2016-08-05, 1395/05/15

Ethics committee reference number

IR.UMSHA.REC.1395.129

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

Student learning

ICD-10 code**ICD-10 code description****Primary outcomes****1****Description**

Clinical skill

Timepoint

After the intervention

Method of measurement

Objective Structured Clinical Examination

Secondary outcomes

empty

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

Control group: Preparation of a self-learning module based on learning goals and clinical skills training is performed on the test group with the usual method and then the OSCE test.

Category

N/A

2**Description**

Intervention group: Preparing a self-learning module based on the goals of learning and teaching clinical skills to the intervention group with the usual method and the self-study module and then the OSCE test.

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

دانشگاه علوم پزشکی همدان

Full name of responsible person

Saeed Bashirian

Street address

Hamedan University of Medical Sciences, Shahid Fahmideh St.

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Phone

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Web page address

<http://course.umsha.ac.ir/default/about>

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Hamedan University of Medical Sciences

Full name of responsible person

Saeed Bashirian

Street address

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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

Hamedan University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin**Type of organization providing the funding**

Academic

Person responsible for general inquiries

Contact

Name of organization / entity

Hamedan University of Medical Sciences

Full name of responsible person

Shahin Tohidi

Position

Lecturer

Latest degree

Master

Other areas of specialty/work

Nursery

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Person responsible for scientific inquiries

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Person responsible for updating data

Contact

Name of organization / entity

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Sharing plan**Deidentified Individual Participant Data Set (IPD)**

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Yes - There is a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Not applicable

Analytic Code

Not applicable

Data Dictionary

Not applicable

Title and more details about the data/document

Available at the Central Library of Hamedan University of
Medical Sciences

When the data will become available and for how long

Available from 15 01 1396

To whom data/document is available

Based on the agreement and laws of the Hamdan
University of Medical Sciences

Under which criteria data/document could be used

Based on the agreement and laws of the Hamdan
University of Medical Sciences

From where data/document is obtainable

Based on the agreement and laws of the Hamdan
University of Medical Sciences

What processes are involved for a request to access data/document

Based on the agreement and laws of the Hamdan
University of Medical Sciences

Comments