

Clinical Trial Protocol

Iranian Registry of Clinical Trials

21 Jul 2026

Effect of role play training on nursing students' learning outcomes based on kirkpatrick's evaluation model

Protocol summary

Summary

This quasi-experimental will be done with students who randomly will be divided into two groups: control (39 = n) and test (39 = n). The purpose of this study was to compare the knowledge score of nursing students and compare the patients' satisfaction score with the performance of nursing students in patient education. Students will be included in the second semester with the benchmark for patient education. Students who remove the syllabus from the patient's training process will be excluded. To prevent data contamination, at first the training will be done in the control group and then in the experimental group. Teaching method in the control group will be common method in college, so in theoretical part will be lectures and questions and answers and in practical part will be oral presentation patient education program in the classroom, School of Nursing and Midwifery. Teaching method in theoretical part in experimental group will be similar to the control group and in practical part will be writing and role playing scenario. The control and experimental groups will complete demographic questionnaire before the intervention and knowledge questionnaire after the intervention(final) and will deliver the researcher. Next semester, students will train to patients in nursing training adults/ seniors(1) and then patients will complete patient satisfaction scale of patient education performance. The number of patient samples per patient is two nursing student. The patients inclusion criteria is having the ability to answer the questions of the questionnaire and to be admitted to the internal and surgical sections of the students' internship.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017091636215N1**

Registration date: **2017-10-15, 1396/07/23**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2017-10-15, 1396/07/23

Registrant information

Name

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Name of organization / entity

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Recruitment status

Recruitment complete

Funding source

Deputy of Research of Iran University of Medical Sciences

Expected recruitment start date

2017-10-23, 1396/08/01

Expected recruitment end date

2018-02-20, 1396/12/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of role play training on nursing students' learning outcomes based on kirkpatrick's evaluation model

Public title

Effect of role play training on nursing students' learning outcomes

Purpose

Other

Inclusion/Exclusion criteria

Nursing student inclusion criteria: Second semester students who have been trained in patient education process in the semester for the year. Nursing student exclusion criteria: Students who remove the syllabus from the patient's education process. Patients inclusion criteria: being aware of your illness; having the ability to answer questions of the questionnaire; the ability to communicate and the absence of specific mental illness (Based on medical records); hospitalization in internal and surgical departments of student placement; having digestive or orthopedic diseases

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **160**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Not used

Assignment

Single

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Iran University of Medical Sciences

Street address

Iran University of Medical Sciences, Hemat Highway next to Milad Tower, Tehran

City

Tehran

Postal code

Approval date

2017-04-03, 1396/01/14

Ethics committee reference number

IR.IUMS.REC 1395.9411686011

Health conditions studied

1

Description of health condition studied

Patient satisfaction

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Knowledge of nursing students

Timepoint

Immediately after intervention

Method of measurement

Five months after intervention

2

Description

Patient satisfaction

Timepoint

Five months after intervention

Method of measurement

Patients satisfaction survey questionnaire of nurse students' patient training

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: The curriculum of patient education according to the program and headline provided by the Ministry of Health and Medical Education in two theoretical) in the form of lectures and questions and answers(and practical parts (selection of illness around patient education based on nursing unit of adults, elderly (1) including orthopedic, gastrointestinal and electrolyte disorders and writing scenarios and implementing them in a role-playing technique)

Category

N/A

2

Description

control group: The curriculum of patient education according to the program and headline provided by the Ministry of Health and Medical Education in two theoretical) in the form of lectures and questions and answers(and practical parts (following the steps of patient education, they design, implement and evaluate a patient's educational program and orally present in the classroom)

Category

N/A

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

Rasoul Akram Therapeutic Research Center

Full name of responsible person

Research Deputy

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Niayesh street, Sattar Khan street

City

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2**Recruitment center****Name of recruitment center**

Shafa Yahyaan Medica Education Center

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Research Deputy

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3**Recruitment center****Name of recruitment center**

Firoozgar medical education Center

Full name of responsible person

Research Deputy

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

Deputy of Research of Iran University of Medical Sciences

Full name of responsible person

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Hemat highway next to Milad tower

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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

Deputy of Research of Iran 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**

Faculty of Nursing and Midwifery, Iran University of Medical Sciences

Full name of responsible person

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Position

Bachelor of nursing

Other areas of specialty/work**Street address**

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Assistant Knowledge

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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