Clinical Trial Protocol
Iranian Registry of Clinical Trials

09 Nov 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

Faculty of Nursing and Midwifery, Iran University of Medical Sciences

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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
Tehran

2

Recruitment center
Name of recruitment center
Shafa Yahyaan Medicale Education Center
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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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Beh Afarin Street, Karim Khan street, Valiasr Square
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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
Research Deputy
Street address
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
Elnaz maserat
Position
Bachelor of nursing
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