Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Nov 2026

The effect of Integrating e-learning and collaborative learning method in nursing care of sick child lesson on academic self-efficacy of nursing students

Protocol summary

Study aim

Determination and comparison of mean scores of academic self-efficacy among nursing students in Urmia nursing and midwifery faculty before and after intervention in 2018

Design

All nursing students in the 5th semester will be entered into the intervention group in Whole number, non-blind manner.

Settings and conduct

After approval of the research project and approval of the ethical committee of the university and coordination with the director of the relevant group, the researchers will study the nursing students of the fifth semester of nursing semester in Autumn 2018 as a whole number.The training combines two methods of e-learning with LMS and collaborative learning in 10 steps with the formation of groups of 5 people using the same lecturer in one semester during 14 sessions of 150 minutes for nursing students in the fifth semester.

Participants/Inclusion and exclusion criteria

Inter criteria: All five semester nursing students studying at Urmia Nursing and Midwifery Faculty Exit criteria: Absence of more than 2 sessions and no referral to the LMS system

Intervention groups

The curriculum will be presented in conjunction with the faculty education using the same lecturer in one semester at 14 sessions of 150 minutes for nursing students in term 5. These meetings will be taught in a combination of both e-learning and participatory methods. Curriculum content on care nursing of ill child is based on the outline of the cultural revolution and the goals of the course, in coordination with the use of the main sources of the course (nursing a sick child) and scientific resources in the opinion of nursing and medical experts. The study is a single-group and before and after intervention.

Main outcome variables

Improvement of academic self-efficacy of students in the course of nursing care of a child after intervention, improving the quality of education and improving the educational status

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20181022041419N3**
Registration date: **2019-01-13, 1397/10/23**
Registration timing: **registered_while_recruiting**

Last update: **2019-01-13, 1397/10/23**
Update count: **0**

Registration date

2019-01-13, 1397/10/23

Registrant information

Name

Sima Pourteimour

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

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Email address

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Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-11-01, 1397/08/10

Expected recruitment end date

2019-06-20, 1398/03/30

Actual recruitment start date
empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title
The effect of Integrating e-learning and collaborative learning method in nursing care of sick child lesson on academic self-efficacy of nursing students

Public title
The Effect of Combining e-Learning and Participatory Learning Methods in Patient-Child Nursing Career Course on Academic Self-efficacy of Nursing Students in Urmia Nursing and Midwifery Faculty in 2018

Purpose
Education/Guidance

Inclusion/Exclusion criteria
Inclusion criteria:
All five semester nursing students studying at Urmia Nursing and Midwifery Faculty
Exclusion criteria:
Absence of more than 2 sessions and no referral to the LMS system

Age
No age limit

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **50**

Randomization (investigator's opinion)
N/A

Randomization description

Blinding (investigator's opinion)
Not 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 Urmia University of Medical Sciences
Street address
Deputy Head of Research & Technology, University Headquarters, End of Emergency Department, Resalat Boulevard, Urmia
City
Urmia
Province
West Azarbaijan
Postal code
5714783734

Approval date
2018-10-31, 1397/08/09

Ethics committee reference number
IR.UMSU.REC.1397.146

Health conditions studied

1

Description of health condition studied
Nursing care of sick child lesson

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description
Academic self-efficacy

Timepoint
The first session of the classroom and the last session of the classroom

Method of measurement
College Academic Self-Efficacy Owen & Fronman

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: At the meetings, the participatory learning method will be divided into groups of 5 students and will learn the lessons in 14 sessions of 150 minutes with using 10 steps. In this way, the professor will divide the subject of teaching into parts, giving each department a group.Then members of each group will form specialized teams to learn the subject and report it to other members of the group. Finally, the groups will summarize the issues with the teacher. The main tasks of the professor in this method are in addition to providing the lesson plan for each session, guiding and guiding the groups, providing the necessary facilities, evaluating and monitoring the work of the groups and providing feedback. At the end of the session, a brief overview will be provided on the lessons to be given about the course and will be requested to be trained electronically for the same session. (10 steps of participatory learning Including: 1- students in groups of

5-6 people matched in terms of gender and gender. 2- Dividing the lesson subjects into sections 5 to 6 for each group. 3- Assign each student to study the specified section4. Emphasis on studying twice without remembering the contents5. Select the leader group for each group6. After discussing the topic, the six groups will discuss the ambiguities and points of their group by gathering in another expert group. 8 and 7- By returning to their group and providing the necessary information and information to their cohorts. 9- The instructor will solve the problems and questions of each group by circulating in groups.10- Summing up and asking questions to identify the top group). An e-learning approach based on an Intelligent Classroom Learning Management System will be completed on the weekend (Friday) after the end of each participatory learning session. All content provided in collaborative learning will be provided electronically, and will emphasize that the assignments of each session will only be e-mailed to provide an incentive to refer students to the learning management system. The feedback will be about student ambiguity and questions through the same system.

Category
Other

2

Description
Control group: It will be taken as a single intervention group without a control group.

Category
Other

Recruitment centers

1

Recruitment center

Name of recruitment center
Urmia Nursing and Midwifery Faculty

Full name of responsible person
Sima Pourteimour

Street address
Nazlou Campus Building Faculty of Nursing and Midwifery, 11 km Sero, Urmia, West Azarbaijan, Iran

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Oroumia University of Medical Sciences

Full name of responsible person
Dr. Iraj Mohebi

Street address
Deputy Head of Research & Technology, University Headquarters, Emergency cuticle end, Resalat Boulevard, Urmia

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mohebbi_iraj@yahoo.com

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?
Yes

Title of funding source
Oroumia 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
Oroumia University of Medical Sciences

Full name of responsible person
Sima Pourteimour

Position
faculty member Instructor

Latest degree
Master

Other areas of specialty/work
Nursery

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Nazlou Campus Building Faculty of Nursing and Midwifery, 11 km Sero, Urmia, West Azarbaijan, Iran

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Person responsible for updating data

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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
No - There is not a plan to make this available

Analytic Code
No - There is not a plan to make this available

Data Dictionary
No - There is not a plan to make this available

Title and more details about the data/document
Only part of the original outcome information can be shared.

When the data will become available and for how long
Six months after the publication of the article

To whom data/document is available
Researchers working in academic and scientific institutions

Under which criteria data/document could be used
Send an email to the person responsible for allowing any analysis on the data

From where data/document is obtainable
simapure@yahoo.com

What processes are involved for a request to access data/document
After submitting the email with the permission of the administrators, the corresponding file will be sent.

Comments