Clinical Trial Protocol
Iranian Registry of Clinical Trials

09 Nov 2026

The effect of promoting social competence based on Flenner model on clinical performance self-efficacy of nursing students: A quasi-experimental study

Protocol summary

Study aim

General Objective: To determine the effect of promoting social adjustment on functional self-efficacy of nursing students in Urmia Azad University

Design

This quasi-experimental study was performed on 60 final year nursing students of Urmia Azad University in 2020. Samples were randomly assigned to intervention and control groups. Data collection tool was a two-part questionnaire including demographic information and functional self-efficacy questionnaire. In the intervention group, the training program was conducted during 6 sessions of virtual training through lectures and 3 sessions of group discussion. In the control group, no educational intervention was performed. Data were analyzed using SPSS16 software and paired t-test and independent t-test.

Settings and conduct

The research method was that the researcher received the list of all final year students (in the nursing internship stage) from the nursing school education, then randomly divided the intervention and control groups by tossing a coin. Students in both groups completed a demographic information questionnaire and a clinical performance self-efficacy questionnaire at the beginning of the study.

Participants/Inclusion and exclusion criteria

Willingness to participate in the study Final year nursing student Reluctance to continue cooperation and withdrawal from the study

Intervention groups

In the intervention group, the training program was conducted during 6 sessions of virtual training through lectures and 3 sessions of group discussion.

Main outcome variables

Clinical performance self-efficacy

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20220621055239N1**
Registration date: **2022-08-14, 1401/05/23**
Registration timing: **retrospective**

Last update: **2022-08-14, 1401/05/23**
Update count: **0**

Registration date

2022-08-14, 1401/05/23

Registrant information

Name

monireh rezaee moradali

Name of organization / entity

Urmia azad university

Country

Iran (Islamic Republic of)

Phone

+98 44 3365 8242

Email address

monir.rezaee@yahoo.co.uk

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2020-09-02, 1399/06/12

Expected recruitment end date

2020-11-02, 1399/08/12

Actual recruitment start date

2020-09-02, 1399/06/12

Actual recruitment end date

2020-11-02, 1399/08/12

Trial completion date

2021-09-03, 1400/06/12

Scientific title
The effect of promoting social competence based on Flenner model on clinical performance self-efficacy of nursing students: A quasi-experimental study

Public title
The effect of promoting social competence based on Flenner model on clinical performance self-efficacy of nursing students: A quasi-experimental study

Purpose
Education/Guidance

Inclusion/Exclusion criteria

Inclusion criteria:
Desire to participate in the study Pre-graduation nursing student

Exclusion criteria:
disinclination to continue cooperation and withdraw from the study

Age
No age limit

Gender
Both

Phase
N/A

Groups that have been masked

- Participant

Sample size
Target sample size: **60**
Actual sample size reached: **60**

Randomization (investigator's opinion)
Randomized

Randomization description
In this research, randomization into two groups will be done by block randomization method. In this way, 60 double blocks will be considered in such a way that 30 blocks with order A and dimension B and another 30 blocks with order B and dimension A will be considered. Then, using RAND command in Excel software, 60 random numbers will be generated and using these numbers, these 60 blocks will be arranged randomly. Then, people are entered into the intervention group A and the control group B according to the study entry and A and B respectively in each block. In this way, two groups of 30 people will be randomly assigned to intervention and control groups.

Blinding (investigator's opinion)
Single blinded

Blinding description
Lack of knowledge of participants about random allocation in two groups of control and intervention

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Ethics committee of Tabriz Azad University

Street address
Eastern side of Pasdaran highway., Islamic Azad University., Tabriz., Iran

City
Tabriz

Province
East Azarbaijan

Postal code
۵۱۵۷۹۴۴۵۳۳

Approval date
2020-08-18, 1399/05/28

Ethics committee reference number
R.IAU.TABRIZ.REC.1399.058

Health conditions studied

1

Description of health condition studied
social competence and clinical performance self-efficacy

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description
Clinical Performance Self-Efficacy

Timepoint
2020

Method of measurement
Functional Self-Efficacy Questionnaire

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: 30 nursing students (intervention group students have two sessions per week during 6 sessions of 90 minutes in the form of lectures (for 5 groups for 15 weeks) and 3 sessions in the form of group discussions (15 sessions) They received the necessary training. Due to the conditions of the Corona disease, the trainings were conducted in small groups of 6 or 7 students by means of lectures and group discussions using online virtual classroom facilities and to increase learning and to create enough opportunities to answer students' questions.) (The content of the training was as follows: The first session: expressing the importance of

functional self-efficacy and social skills expressing group rules, helping to identify ineffective thoughts and replacing them with efficient thoughts. The second session: explaining problem solving skills and its steps. The third session: Explanation of decision-making skills and its stages. The fourth session: Paying attention to the three stages of interpersonal communication skills and paying attention to the manners of negotiation and dialogue and enumerating the common mistakes in conversations. The fifth session: Asking for help, training. Help-seeking behavior and its methods and introduction of strategies to deal with stress and relaxation techniques. Sixth session: Teaching emotion control skills. negatives and creating motivation through the source of success in performance, verbal persuasion, promoting self-efficacy.)

Category
Behavior

2

Description
Control group: 30 nursing students (the control group received regular training according to the nursing curriculum and topics by their instructors.)

Category
Behavior

Recruitment centers

1

Recruitment center

Name of recruitment center
The Islamic Azad University of Urmia Branch

Full name of responsible person
Esfandyar Baljani

Street address
3 km of Salmas Road., Islamic Azad University., Urmia., Iran., PO Box: 969

City
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West Azarbaijan

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Personal

Full name of responsible person
Esfandyar Baljani

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Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?
No

Title of funding source
Personal

Proportion provided by this source
100

Public or private sector
Private

Domestic or foreign origin
Domestic

Category of foreign source of funding
empty

Country of origin

Type of organization providing the funding
Other

Person responsible for general inquiries

Contact

Name of organization / entity
The Islamic Azad University of Urmia Branch

Full name of responsible person
Esfandyar Baljani

Position
Assistant Professor

Latest degree
Ph.D.

Other areas of specialty/work
Nursery

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Person responsible for scientific inquiries

Contact

Name of organization / entity
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Full name of responsible person
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Position
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Latest degree
Ph.D.

Other areas of specialty/work
Nursery

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Person responsible for updating data

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Full name of responsible person
Monireh Rezaee

Position
Instructure

Latest degree
Ph.D.

Other areas of specialty/work
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Sharing plan

Deidentified Individual Participant Data Set (IPD)
Yes - There is a plan to make this available

Study Protocol
No - There is not a plan to make this available

Statistical Analysis Plan
Yes - There is a plan to make this available

Informed Consent Form
No - There is not a plan to make this available

Clinical Study Report
Yes - There is 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
Statistical results - final report - participants' data

When the data will become available and for how long
After accepting the article

To whom data/document is available
Researchers and students

Under which criteria data/document could be used
There are no special conditions

From where data/document is obtainable
esfandyar baljani

What processes are involved for a request to access data/document
Send email to the author responsible for the article

Comments
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