Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

Comparison the effect of pain management education by lecture and virtual education method on nurses’ knowledge and attitude

Protocol summary

Study aim

Determine the effect of pain management training on two types of lectures and online education on knowledge and attitude of nurses

Design

In this study, randomly and through a lottery that is assigned to each hospital with a dedicated code, one of the hospitals is selected as a workshop group and the other as virtual training. 100 nurses with entry requirements invited to attend a pain management training session are included in the study.

Settings and conduct

The hospitals of Valieasr and Amir-Al-Momenin are assigned two methods of teaching through assignment and draw through the lottery. Then they are invited to the pain management class through a nursing call. Given the nurses in which the hospital is working, they receive special education for that hospital, the nurses are not aware of the type of education at the other hospital. Individuals assigned to training are also unaware of the type of training in the other group. The person evaluating and analyzing the statistics are unaware of the allocation of the groups.

Participants/Inclusion and exclusion criteria

Inclusion criteria: Individuals with Bachelor's Degree and Master's Degree in Nursing, Familiarity and Ability to Use Mobile Programs, Inclination to Participate in a Study; Exclusion criteria: Participate in Pain Training Sessions in previous years, Failure to complete the study process

Intervention groups

In a group that trains through a workshop, through a training session, pain management issues are taught through PowerPoint presentations and materials, and finally, questions and answers are taught. In the virtual education group, the group members formed a training group Through telegrams, then educational materials are made available to them through the same way. At the end of the loading of information for 24 hours, participants can discuss the subject and exchange information and ask questions in This relationship is under the supervision of the researcher. After completing the training in both groups, the level of knowledge and attitude is filled by nurses again. Duration of access to information in the virtual group is 15 days, but 24 hours after loading information from nurses, the level of knowledge and attitude is done.

Main outcome variables

Change in knowledge level; Change in attitude level

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20180103038211N2**
Registration date: **2018-02-27, 1396/12/08**
Registration timing: **registered_while_recruiting**

Last update: **2018-02-27, 1396/12/08**
Update count: **0**

Registration date

2018-02-27, 1396/12/08

Registrant information

Name

Fahime Davodabady

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 86 3226 7610

Email address

F_davodabady@arakmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2017-12-11, 1396/09/20

Expected recruitment end date

2018-06-10, 1397/03/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison the effect of pain management education by lecture and virtual education method on nurses' knowledge and attitude

Public title

pain management education on nurses' knowledge and attitude

Purpose

Education/Guidance

Inclusion/Exclusion criteria

Inclusion criteria:

All nurses with a bachelor's or master's degree Familiarity and ability to use mobile phones Tend to participate in the study

Exclusion criteria:

People who participated in pain training sessions in the past years

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

- Participant
- Outcome assessor
- Data analyser

Sample size

Target sample size: **100**

Randomization (investigator's opinion)

Randomized

Randomization description

By simple randomization method and sealed envelope, one of the two hospitals is selected as virtual training and another hospital as workshop training. Then they were invited to a pain management training session. The randomization method is simple.

Blinding (investigator's opinion)

Double blinded

Blinding description

Participants in the study are not aware of a variety of teaching methods. Of the two different hospitals, participants were selected. The people who train each group are unaware of the training of the other group. The outcome assessor and the data analyzer are also unaware of the allocation of groups.

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Arak University of Medical Sciences

Street address

Arak University of Medical Sciences, Basij Square,Sardasht , Arak

City

Arak

Province

Markazi

Postal code

6941-7-38481

Approval date

2017-11-22, 1396/09/01

Ethics committee reference number

IR.ARAKMU.REC.1396.164

Health conditions studied

1

Description of health condition studied

Knowledge and attitude of nurses

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Knowledge and attitude

Timepoint

Measuring the level of knowledge and attitude before the study, immediately after intervention, 2 and 4 months after intervention

Method of measurement

"Knowledge and attitude Survey Regarding Pain" Margo and McCaffery

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: First intervention group: Through a training session, pain management materials are taught

through PowerPoint presentations and materials, and finally questions and answers.

Category

Other

2

Description

Intervention group: Second intervention group: The people of this group form a training group through the mobile applications (telegram), and then the educational materials are available to them through the same way. At the end of the loading of information for 24 hours, the participants can discuss About the subject and the exchange of information and questions and answers in this regard, which is under the supervision of the researcher.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Valiasr Hospital and Amir Al-Momenin Hospital

Full name of responsible person

Fahimeh Davodabady

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Arak University of Medical Sciences, Basij Square, Sardasht

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Arak University of Medical Sciences

Full name of responsible person

Mohammad arjomandzadegan

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Grant name

Mohammad arjomandzadegan

Grant code / Reference number

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

Yes

Title of funding source

Arak 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

Arak University of Medical Sciences

Full name of responsible person

Fahimeh Davodabady

Position

Instructor

Latest degree

Master

Other areas of specialty/work

Nursery

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Person responsible for updating data

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Sharing plan

Deidentified Individual Participant Data Set (IPD)
Undecided - It is not yet known if there will be a plan to make this available
Study Protocol
Undecided - It is not yet known if there will be a plan to make this available
Statistical Analysis Plan
Undecided - It is not yet known if there will be a plan to make this available
Informed Consent Form
Undecided - It is not yet known if there will be a plan to make this available
Clinical Study Report
Undecided - It is not yet known if there will be a plan to make this available
Analytic Code
Undecided - It is not yet known if there will be a plan to make this available
Data Dictionary
Undecided - It is not yet known if there will be a plan to make this available