Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

A comparative effects of pain management training through lecture and e-learning on knowledge ,attitude and practice of nurses in surgical wards of educational and treatment centers of Tabriz in 2018

Protocol summary

Study aim

A comparative effects of pain management training through lecture and e-learning on knowledge ,attitude and practice of nurses in surgical wards of educational and treatment centers of Tabriz in 2019

Design

Clinical trials with two intervention groups (lecture and e-learning), in each group 39 nurses, randomized samples using random allocation sequence, random allocation with blocking to the two training groups. Parallel groups and two blind

Settings and conduct

According to the statistical calculations, In two groups, 78 nurses of surgical wards of Tabriz Educational Centers were selected through random sampling and blocking in two groups of lecture and electronic intervention (in each group 39 nurses). In the intervention group, the lecture method will be given four stages in the lecture method and in the e-learning group, the training will be given in four sessions with the multimedia educational software, the teaching materials of the two groups are the same.

Participants/Inclusion and exclusion criteria

Entry requirements: 1.Have at least 3 months of work experience. 2. Have at least a Bachelor's degree Failure to enter the study: Participation in pain management training workshops in the last year

Intervention groups

In the lecture group, pain management training will be provided in four sessions with lecture method and in the e-learning group, pain management training will be provided in four sessions with multimedia software. The teaching materials are similar in two groups

Main outcome variables

Change in mean scores of knowledge and attitude and practice of nurses in relation to pain management

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20181220042061N1**
Registration date: **2019-01-17, 1397/10/27**
Registration timing: **retrospective**

Last update: **2019-01-17, 1397/10/27**
Update count: **0**

Registration date

2019-01-17, 1397/10/27

Registrant information

Name

Atefe Seyyedzavvar

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 41 3553 9161

Email address

summiit2000@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-09-23, 1397/07/01

Expected recruitment end date

2018-12-21, 1397/09/30

Actual recruitment start date

2018-09-23, 1397/07/01

Actual recruitment end date

2018-12-21, 1397/09/30

Trial completion date

2018-12-21, 1397/09/30

Scientific title
A comparative effects of pain management training through lecture and e-learning on knowledge ,attitude and practice of nurses in surgical wards of educational and treatment centers of Tabriz in 2018

Public title
"Management of pain in two methods of lecture and e-learning on knowledge and attitude and practice of nurses"

Purpose
Education/Guidance

Inclusion/Exclusion criteria
Inclusion criteria:
Nurses working in surgical wards Having at least 3 months of work Have at least a bachelor's degree
Exclusion criteria:
Setting up pain management training in the last year

Age
No age limit

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **78**
Actual sample size reached: **78**

Randomization (investigator's opinion)
Randomized

Randomization description
Nurses willing to participate in the research were selected through available sampling as a research sample and then the nurses who completed the pre-test questionnaire were randomly assigned to a random number table using six-point blocking using soft RAS computer software was assigned to two groups of an lecture group and the next electronic group. The blockade was performed by a non-participant in the sampling, and the type of intervention was written on paper and tagged in matte envelopes. From 1 to 39, the subjects were taught by lecturing and numbered 40 to 78 people by electronic means.

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Parallel

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
Bagshomal Ave.,Artesh Blvd., Alzahra hospital

City
Tabriz

Province
East Azarbaijan

Postal code
5178858185

Approval date
2018-05-09, 1397/02/19

Ethics committee reference number
IR.UMSU.REC.1397.051

Health conditions studied

1

Description of health condition studied
Nursing Education Interventions for pain Managing

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description
Knowledge of pain management by Pain Management Principles Assessment Tool

Timepoint
At the beginning of the study (before the intervention) and two weeks after the intervention

Method of measurement
Pain Management Principles Assessment Tool

2

Description
Attitude of pain management by Nurses’ Attitude Survey Tool

Timepoint
At the beginning of the study (before the intervention) and two weeks

Method of measurement
Nurses’ Attitude Survey Tool

3

Description
Nurses 'Pain Management Performance Score with Nurses' Pain Management Performance Checklist

Timepoint
At the beginning of the study (before the intervention) and two weeks

Method of measurement
Nurses' Pain Management Performance Checklist

Secondary outcomes

empty

Intervention groups

1

Description

First intervention group: In the lecture method, four one-hour sessions were arranged for each nurse with the coordination of the curriculum. The necessary training was provided by the researcher using a booklet based on reference sheets and books and nursing articles.Session 1: Definition of pain and physiology and types of pain, pain in specific groups, the difference between chronic pain and acute pain difference in elderly with youth - the effects of acute and chronic pain and the importance of effective pain control, side effects of non-control of pain-pain after surgery, Effective chemicals in the incidence or reduction of pain, factors that exacerbate or reduce pain. Second session: Evaluation and evaluation of pain, the importance of pain assessment, significant points in pain assessment, how to ensure the true pain of a patient-a variety of pain control drugs. Session 3: Drugs, non-steroidal anti-inflammatory drugs, topical anesthetic drugs, and general principles of the use of anti-inflammatory and analgesic drugs and nursing care and complications fourth session: non-pharmacological methods of pain relief placebo and hypnosis, distraction or distraction, massage, relaxation, religious therapy (pharmacological and non-pharmacological methods to relieve).

Category

N/A

2

Description

Second intervention group: An electronic education group was developed through designing and developing a multimedia program for training nurses in four sessions of an hour using FLASH software.

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Alzahra hospital

Full name of responsible person

Atefe Seyyedzavvar

Street address

Artesh Street, Alzahra hospital

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Email

info@alzahrahosp.tbzmed.ac.ir

Web page address

https://alzahrahosp-en.tbzmed.ac.ir

2

Recruitment center

Name of recruitment center

Emamreza hospital

Full name of responsible person

Atefe Seyyedzavvar

Street address

University Blvd., University Ave., Emamreza hospital

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Tabriz

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Email

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Web page address

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3

Recruitment center

Name of recruitment center

Shohada hospital

Full name of responsible person

Atefe seyyedzavvar

Street address

Golshahr Ave, Ael Goli Road, Shohada hospital

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info@cdrm-en.tbzmed.ac.ir

Web page address

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Recruitment center

Name of recruitment center

Sina hospital

Full name of responsible person

Atefe Seyyedzavvar

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Hafez Crossroad, Azadi Avenue, Sina hospital
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Recruitment center
Name of recruitment center
Madani hospital
Full name of responsible person
Atefe Seyyedzavvar
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Daneshgah Ave, Madani hospital
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Web page address
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Recruitment center
Name of recruitment center
Talegani hospital
Full name of responsible person
Atefe Seyyedzavvar
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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
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Full name of responsible person
Dr.Iraj Mohebi
Street address
Jihad Street., Resalat Blvd., Research and Technology Department
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Urmia
Province
West Azarbaijan
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5714783734
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Fax
+98 44 3222 9059
Email
a.doulani@gmail.com
Web page address
https://research.umsu.ac.ir
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
Atefe Seyyedzavvar
Position
Masters Degree student in Nursing
Latest degree
Bachelor
Other areas of specialty/work
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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
Yes - There is a plan to make this available
Analytic Code
Yes - There is a plan to make this available
Data Dictionary
Yes - There is a plan to make this available
Title and more details about the data/document
All data is shared.
When the data will become available and for how long
Start the access period 6 months after printing the results
To whom data/document is available
Data will be available to researchers working in academic and academic institutions.
Under which criteria data/document could be used
There is no limit to the use of data or documentation after the full description of the requester.
From where data/document is obtainable
To receive documentation, e-mail: summiit2000@gmail.com Atefeh Seyed Zavar at Artesh Ave., Al-Zahra hospital.
What processes are involved for a request to access data/document
By emailing me, the documentation will be provided as soon as possible.
Comments