

Clinical Trial Protocol

Iranian Registry of Clinical Trials

21 Jul 2026

The Effect of Evidence-Based Nursing Education on Clinical Decision Making of Hemodialysis Nurses in Teaching Hospitals of Urmia, 2019-2020 .

Protocol summary

Study aim

Determining the Effect of Evidence Based Nursing Education on Clinical Decision Making of Hemodialysis Nurses Working in Urmia Teaching Hospitals, 2019-2020.

Design

This clinical trial has two intervention and control groups randomly divided into intervention and control groups, each group consisting of 30 persons.

Settings and conduct

The evidence-based approach is taught to the intervention group in small groups during the meeting; no training is given to the control group. The intervention group will be taught theoretically and practically in six two-hour sessions in computer and internet-based classes at two Imam Khomeini and Taleghani hospitals

Participants/Inclusion and exclusion criteria

Inclusion criteria: 1- Having the consent to participate in the study 2- Minimum Bachelor's Degree in Nursing 3- Having at least 3 months of experience in hemodialysis 4. No record of attending evidence-based training workshops Exclusion criteria: 1- Unwillingness to participate in the study 2- Absence of more than two hours in evidence-based training classes

Intervention groups

Intervention group will receive theoretical and practical training in six two-hour sessions in computer and internet-based classes at two Imam Khomeini and Taleghani hospitals. To this end, a training scenario will be developed and presented as problem solving. Nursing resource searching, identifying the right sources, and evaluating evidence, the ability to search between print and electronic sources, selecting and accurately evaluating sources, and applying the results of the research will be properly trained. The control group will not be given training.

Main outcome variables

Clinical Decision Making

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20161116030926N6**

Registration date: **2020-04-25, 1399/02/06**

Registration timing: **retrospective**

Last update: **2020-04-25, 1399/02/06**

Update count: **0**

Registration date

2020-04-25, 1399/02/06

Registrant information

Name

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 44 3275 4961

Email address

alilu@umsu.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2020-01-21, 1398/11/01

Expected recruitment end date

2020-03-20, 1399/01/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Effect of Evidence-Based Nursing Education on Clinical Decision Making of Hemodialysis Nurses in Teaching Hospitals of Urmia, 2019- 2020 .

Public title

"The Effect of Evidence Based Training on Clinical Decision Making of Hemodialysis Nurses"

Purpose

Education/Guidance

Inclusion/Exclusion criteria**Inclusion criteria:**

Having the consent to participate in the study Holding a bachelor's degree in nursing Having at least 3 months of experience in hemodialysis No record of attending evidence-based training workshops

Exclusion criteria:

Unwillingness to participate in the study Missing more than two hours in an evidence-based training class

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 60

Randomization (investigator's opinion)

Randomized

Randomization description

Simple randomization Initially all possible combinations of AABB will be listed And in each case, a unique code is assigned. Then, based on the sample size ($n = 60$), 10 blocks will be selected by lot and according to them individuals will be assigned to two groups. The next person will be randomly selected and replaced.

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

Urmia University of Medical Sciences, Resalat Boulevard

City

Urmia

Province

West Azarbaijan

Postal code

9718668187

Approval date

2020-01-18, 1398/10/28

Ethics committee reference number

IR.UMSU.REC.1398.407

Health conditions studied**1****Description of health condition studied**

Nurses' Clinical Decision Making

ICD-10 code**ICD-10 code description****Primary outcomes****1****Description**

Nurses' Clinical Decision Making

Timepoint

Before and one week and one month after the implementation of evidence-based nursing education

Method of measurement

Lauri et al questionnaire

Secondary outcomes

empty

Intervention groups**1****Description**

Intervention group: Intervention group will be taught theoretically and practically in six two-hour sessions in computer and internet classes in two hospitals of Imam Khomeini and Taleghani. Also, to increase the quality of education, the intervention group will be divided into 5 groups of 6 each Explore evidence-based principles through interactive dialogue. To this end, a training scenario will be developed and presented as problem solving. Searching for nursing resources, identifying the right sources, and evaluating evidence, the ability to search for a variety of print and electronic sources, selecting and accurately evaluating sources, will be trained in applying research results correctly.

Category

Other

2**Description**

Control group: The control group received no training.

Category

Other

Type of organization providing the funding
Academic

Recruitment centers

1

Recruitment center

Name of recruitment center

Talegane hospital and Emam hospital in Urmia

Full name of responsible person

Parisa Ghodsi Astan

Street address

Modares street and Kashani street

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Province

West Azarbaijan

Postal code

9718668187

Phone

+98 44 3234 8442

Email

Ghodsiparisa1@gmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Urmia University of Medical Sciences

Full name of responsible person

Leila Alilu

Street address

Urmia University of Medical Sciences, Resalat
Boulevard

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Email

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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

Urmia 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

Person responsible for general inquiries

Contact

Name of organization / entity

Urmia University of Medical Sciences

Full name of responsible person

Parisa Ghodsie Astan

Position

Nurse

Latest degree

Master

Other areas of specialty/work

Nursery

Street address

No. 9, Cui7, Motahari Street

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Urmia University of Medical Sciences

Full name of responsible person

Parisa Ghodsi Astan

Position

Nurse

Latest degree

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Other areas of specialty/work

Nursery

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Person responsible for updating data

Contact

Name of organization / entity

Urmia University of Medical Sciences

Full name of responsible person

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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

Data includes all nurses of hemodialysis ward of taleghani and emam hospital of Urmia who meet the inclusion criteria

When the data will become available and for how long

Data access has begun since the plan was published

To whom data/document is available

All the body can access to data

Under which criteria data/document could be used

This data can be used to enhance the correct decision making of nurses

From where data/document is obtainable

Applicants can access the data using the researchers email that will be included in the study

What processes are involved for a request to access data/document

They can send their request by email

Comments