Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 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 Boulvard
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

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

City
Urmia

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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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

Type of organization providing the funding
Academic

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

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No. 9, Cui7, Motahari Street

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Person responsible for scientific inquiries

Contact

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Person responsible for updating data

Contact

Name of organization / entity
Urmia University of Medical Sciences

Full name of responsible person

Parisa Ghodsie Astan
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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