Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

Effect of education based on need assessment on the knowledge and performance of nurses in intensive care unit for prevention of pressure ulcer

Protocol summary

Study aim
Effect of education based on need assessment on the knowledge and performance of nurses in intensive care unit for prevention of pressure ulcer

Design
Clinical trial with control group, with parallel groups, without blinding

Settings and conduct
This study will be carried out on nurses working in the intensive care units of the educational centers of Urmia city in 2018 with convenience sampling according to inclusion and exclusion criteria. The participants were divided into two non-random groups of intervention (40 subjects) and the control group (40 subjects) and there is no blinding. A book will be provided as well as two hour training sessions about pressure ulcer. Then performance and knowledge of nurses will be evaluated.

Participants/Inclusion and exclusion criteria
Inclusion criteria: Having at least a bachelor's degree in nursing, working in intensive care units, having no educational course about pressure ulcer; Exclusion criteria: Unwillingness to cooperate

Intervention groups
Intervention group: A book about pressure ulcer as well as two one-hour training sessions on the prevention of pressure ulcer will be presented. Control group: No intervention will be performed and after the completion of the study a one-hour training session will be held on the prevention of pressure ulcer.

Main outcome variables
Knowledge; Performance

General information

Reason for update

Acronym

IRCT registration information
IRCT registration number: **IRCT20151205025366N20**
Registration date: **2018-08-19, 1397/05/28**
Registration timing: **registered_while_recruiting**

Last update: **2018-08-19, 1397/05/28**
Update count: **0**

Registration date
2018-08-19, 1397/05/28

Registrant information

Name
Rahim Baghaei

Name of organization / entity
Urmia University of Medical Sciences

Country
Iran (Islamic Republic of)

Phone
+98 44 3275 4916

Email address
rbaghaei@umsu.ac.ir

Recruitment status
Recruitment complete

Funding source

Expected recruitment start date
2017-12-31, 1396/10/10

Expected recruitment end date
2018-10-03, 1397/07/11

Actual recruitment start date
empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title
Effect of education based on need assessment on the knowledge and performance of nurses in intensive care

unit for prevention of pressure ulcer

Public title
Effect of education based on need assessment on the knowledge and performance of nurses
Purpose
Education/Guidance
Inclusion/Exclusion criteria
Inclusion criteria:
Having at least a bachelor's degree in nursing Working in intensive care units Having no educational course about pressure ulcer Being Iranian
Exclusion criteria:
Unwillingness to cooperate
Age
No age limit
Gender
Both

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **80**
Randomization (investigator's opinion)
Not randomized
Randomization description
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
Headquarters of Urmia University of Medical Sciences, Urgent Street, Resalat Blvd, Urmia
City
Urmia
Province
West Azarbaijan
Postal code
5714783734
Approval date
2017-12-13, 1396/09/22
Ethics committee reference number
IR.UMSU.REC.1396.310

Health conditions studied

1

Description of health condition studied
Pressure ulcer
ICD-10 code
L89.9
ICD-10 code description
Pressure ulcer of unspecified site

Primary outcomes

1

Description
Knowledge of nurses working in the intensive care unit on the prevention of pressure ulcer
Timepoint
Before intervention and after intervention
Method of measurement
Researcher-made questionnaire

2

Description
Performance of nurses working in the intensive care unit on the prevention of pressure ulcer
Timepoint
Before intervention and after intervention
Method of measurement
Researcher-made questionnaire

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: A book on pressure ulcer will be provided to the participants of the study and a week will be given to study units for study, as well as materials related to pressure ulcers during the intervention period in the form of a telegram group. After a week, two one-hour training sessions will be held in the small groups for the research units in the intervention group according to the educational needs emphasizing the training needs of the group members in the prevention of the pressure ulcer including identifying risk factors, identifying at-risk people, areas at risk, skin care, position change, and pressure ulcer classification, use of auxiliary equipment to prevent pressure ulcers. All will be held by lecture sessions, question-and-answer sessions and active participation of members presenting the related parts in order to encourage and participate in the intervention group and the researcher will have the role of facilitator and coordinator.
Category
Prevention

2

Description
Control group: No intervention will be done
Category
Prevention

Recruitment centers

1

Recruitment center
Name of recruitment center
Imam Khomeini Hospital of Urmia
Full name of responsible person
Delpak Mohammadi
Street address
Headquarters of Urmia University of Medical Sciences, Urgent Street, Resalat Blvd, Urmia
City
Urmia
Province
West Azarbaijan
Postal code
5714783734
Phone
+98 44 3346 9931
Email
delpak68@mihanmail.ir

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Oroumia University of Medical Sciences
Full name of responsible person
Iraj Mohebbi
Street address
Headquarters of Urmia University of Medical Sciences, Urgent Street, Resalat Blvd, Urmia
City
Urmia
Province
West Azarbaijan
Postal code
5714783734
Phone
+98 44 3193 7000
Email
irajmohebbi@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
Delpak Mohammadi
Position
Student
Latest degree
Bachelor
Other areas of specialty/work
Nursery
Street address
Headquarters of Urmia University of Medical Sciences, Urgent Street, Resalat Blvd, Urmia , Iran
City
Urmia
Province
West Azarbaijan
Postal code
5714783734
Phone
+98 44 3346 9931
Email
delpak68@mihanmail.ir
Web page address

Person responsible for scientific inquiries

Contact
Name of organization / entity
Oroumia University of Medical Sciences
Full name of responsible person
Rahim Baghaii
Position
Associate professor
Latest degree
Ph.D.
Other areas of specialty/work
Nursery
Street address
Urmia University of Medical Sciences, 11th km of Sarv road, Urmia
City
Urmia
Province
West Azarbaijan
Postal code
5714783734
Phone
+44 32754961

Fax

Email

rbaghaei2001@yahoo.com

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Oroumia University of Medical Sciences

Full name of responsible person

Rahim Baghaei

Position

Associate professor

Latest degree

Ph.D.

Other areas of specialty/work

Street address

Urmia University of Medical Sciences, 11th km of Sarv road, Urmia

City

Urmia

Province

West Azarbaijan

Postal code

5714783734

Phone

+98 44 3275 4916

Fax

+98 44 3275 4921

Email

rbaghaei@umsu.ac.ir

Sharing plan

Deidentified Individual Participant Data Set (IPD)

No - There is not a plan to make this available

Justification/reason for indecision/not sharing IPD

I have not decided yet.

Study Protocol

No - There is not a plan to make this available

Statistical Analysis Plan

No - There is not a plan to make this available

Informed Consent Form

No - There is not a plan to make this available

Clinical Study Report

No - There is not 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