

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

23 Jun 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

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**Sponsors / Funding sources**

**1**

**Sponsor**

**Name of organization / entity**

Oroumia University of Medical Sciences

**Full name of responsible person**

Iraj Mohebbi

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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**

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

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**Person responsible for scientific inquiries**

**Contact**

**Name of organization / entity**

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**Full name of responsible person**

Rahim Baghaii

**Position**

Associate professor

**Latest degree**

Ph.D.

**Other areas of specialty/work**

Nursery

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## 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**

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**City**

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**Province**

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**Postal code**

5714783734

## 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