

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

27 Jun 2026

### Comparison of the effect of social network-based and lecture-based educational method on the nurses in using CPOT scale (pain control and monitoring) for patients with decreased level of consciousness

#### Protocol summary

##### Study aim

1.Determination of the effect of social network-based and lecture-based educational method on the nurses in using CPOT scale for pain severity in patients with decreased level of consciousness 2.Determination of the effect of social network-based and lecture-based educational method on the nurses in using CPOT scale for patient response monitoring in patients with decreased level of consciousness 3.Determination of the effect of social network-based and lecture-based educational method on the nurses in using CPOT scale for pain documentation in patients with decreased level of consciousness

##### Design

In this study, 70 employed nurses who have inclusion criteria, will be selected from the intensive care unit of Imam Reza Hospital and Ghaem Hospital in Mashhad. The participants is randomly divided into intervention and control groups, and a unique code is assigned to each participant. The nurses of the intervention group, will be trained about CPOT tool, using the social network media (telegram application). Concurrently, the control group (lecture-based) will be taught about CPOT tool.

##### Settings and conduct

The researcher will teach about using the CPOT scale to nurses (intervention group) through social network (telegram app.). In the lecture group, teaching the educational materials will be done by researchers (with similar educational content). Lecture sessions will be held twice a week and will last for 90 minutes. At the beginning of the study and two weeks after the end of the intervention, the nurses' function in diagnosing, determining the pain severity and its documentation in the patient records will assess in three modes: resting, position changing and suctioning.

##### Participants/Inclusion and exclusion criteria

Inclusion criteria for nurses: Having the consent to

participate in the study Having a nursing work experience more than one year in the intensive care unit Having the morning and afternoon work shifts Bachelor's degree or higher Inclusion criteria for patients: more than 18 years of age Being mechanically ventilated without paralyzing drugs Inability to communicate verbally and non-verbally The RASS score is between -2 and -3 Having tracheal tube or tracheostomy. Exclusion criteria for nurses: Not interested to continue the cooperation

##### Intervention groups

The nurses of the intervention group will learn how to use the COPT tool through social networks (telegram messenger). The nurses of the control group will learn how to apply the COPT tool through traditional (lecture) method.

##### Main outcome variables

Learning how to use the observational tool for pain assessment can be a practical way to manage the pain of intubated patients with decreased level of consciousness. It is also an effective step to empower nurses in pain management.

#### General information

##### Reason for update

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT20171123037599N1**

Registration date: **2018-01-07, 1396/10/17**

Registration timing: **registered\_while\_recruiting**

Last update: **2018-01-07, 1396/10/17**

Update count: **0**

##### Registration date

2018-01-07, 1396/10/17

##### Registrant information

##### Name

Razieh Froutan

**Name of organization / entity****Country**

Iran (Islamic Republic of)

**Phone**

+98 51 3881 4241

**Email address**

froutanr@mums.ac.ir

**Recruitment status**

Recruitment complete

**Funding source****Expected recruitment start date**

2017-12-22, 1396/10/01

**Expected recruitment end date**

2018-04-21, 1397/02/01

**Actual recruitment start date**

empty

**Actual recruitment end date**

empty

**Trial completion date**

empty

**Scientific title**

Comparison of the effect of social network-based and lecture-based educational method on the nurses in using CPOT scale (pain control and monitoring) for patients with decreased level of consciousness

**Public title**

The effect of social networking education and lecture on the use of the COPT tool

**Purpose**

Education/Guidance

**Inclusion/Exclusion criteria****Inclusion criteria:**

Nurses working in the intensive care unit of Imam Reza Hospital and Ghaem Hospital in Mashhad working history more than 1 year BsC. in nursing or higher degree

**Exclusion criteria:**

Previously, nurses have participated in the educational program of virtual social networks and lecture to use the observational tool of pain assessment.

**Age**

From 22 years old

**Gender**

Both

**Phase**

N/A

**Groups that have been masked**

No information

**Sample size**

Target sample size: 70

**Randomization (investigator's opinion)**

Randomized

**Randomization description**

Nurses working in ICUs of Imam Reza and Qaem hospital are divided by random lottery into two groups, so that the one hospital is assigned to the intervention group and another hospital is to control group. The selection of nurses in each hospital will be by random.

**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 Mashhad University of Medical Sciences

**Street address**

Ebne- Sina Street, School of Nursing and Midwifery, Mashhad, Iran.

**City**

Mashhad

**Province**

Razavi Khorasan

**Postal code**

9137913199

**Approval date**

2017-11-25, 1396/09/04

**Ethics committee reference number**

IR.MUMS.REC.1396.287

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

loss of consciousness

**ICD-10 code**

S06.899

**ICD-10 code description**

Other specified intracranial injury with loss of consciousness of unspecified duration

**Primary outcomes****1****Description**

CPOT scale usage by nurses

**Timepoint**

Assessment of nurses' performance at the beginning of the study (before intervention) and 14 days after the intervention (training through social networks), for two weeks

**Method of measurement**

researcher-made checklist

## Secondary outcomes

empty

## Intervention groups

1

### Description

Intervention group: The nurses of the intervention group, will be trained about CPOT tool, using the social network media (telegram application).

### Category

Other

2

### Description

Control group: The nurses of the control group, will be trained about CPOT tool, using lecture method.

### Category

Other

## Recruitment centers

1

### Recruitment center

#### Name of recruitment center

Imam Reza & Ghaem Hospital of mashhad

#### Full name of responsible person

Razieh Froutan

#### Street address

Nursing faculty, Ebn-e-Sina Street, Mashhad

#### City

Mashhad

#### Province

Razavi Khorasan

#### Postal code

9137913119

#### Phone

+98 51 3859 1511

#### Email

froutanr@mums.ac.ir

## Sponsors / Funding sources

1

### Sponsor

#### Name of organization / entity

Mashhad University of Medical Sciences

#### Full name of responsible person

Deputy of Research and Technology

#### Street address

Ghoreishi building, Daneshgah street.

#### City

Mashhad

#### Province

Razavi Khorasan

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9137913119

### Phone

+98 51 3841 2081

### Email

froutanr@mums.ac.ir

### Grant name

### Grant code / Reference number

### Is the source of funding the same sponsor organization/entity?

Yes

### Title of funding source

Mashhad 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

Mashhad University of Medical Sciences

#### Full name of responsible person

Razieh Froutan

#### Position

Assistant Professor

#### Latest degree

Ph.D.

#### Other areas of specialty/work

Nursery

#### Street address

Ebne- Sina Street, School of Nursing and Midwifery, Mashhad, Iran.

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## Person responsible for scientific inquiries

### Contact

#### Name of organization / entity

Mashhad University of Medical Sciences

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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**

Not applicable

**Title and more details about the data/document**

Consent form sample analysis method study result final manuscript

**When the data will become available and for how long**

One year after publication

**To whom data/document is available**

academic researcher by demand

**Under which criteria data/document could be used**

for systematic reviews and meta-analysis

**From where data/document is obtainable**

email: froutanr@mums.ac.ir

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

After Email reception.

**Comments****Person responsible for updating data****Contact****Name of organization / entity**

Mashhad University of Medical Sciences

**Full name of responsible person**

Razieh Froutan

**Position**

Assistant Professor

**Latest degree**

Ph.D.

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