

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

02 Jul 2026

### Effect of a virtual-based supportive education on nurse's Psychological Empowerment and self-efficacy in the Neonatal Intensive Care Units level 2

#### Protocol summary

##### Summary

Aim: The purpose of this study was to evaluate the effect of education based on virtual space on the Psychological Empowerment and self-efficacy of the nurses in the Neonatal Intensive Care Units level 2. Design: This research was a quasi-experimental study with the experimental and control groups. Eligibility criteria of the participants. numbers are of 80 nurses in the Neonatal Intensive Care Units level 2 at Valiasr, Arash, Children's Medical Center, Ziaeeyan, Baharlou, Bahrami , Zanan(Yas) Tehran hospitals that haven been chosen by voluntarily sampling method and were divided into two experimental and control groups . Implementation method: Spreitzer Empowerment and Coats Self efficacy were performed in two pretest and post test steps(two month after the pre-test ) in both groups. Intervention: The experimental group ID and password to log in Virtual School and educational content for two months on this system was put to the test the training with regards to education in connection with the Neonatal Intensive Care Units level 2 in the form of Film, Podcast, Wadcast, Power Point as well as PDF files through the site. Outcome: The education on Psychological Empowerment and Self-efficacy will be enough effective or not?

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2016011225979N1**  
Registration date: **2016-01-27, 1394/11/07**  
Registration timing: **registered\_while\_recruiting**

Last update:

Update count: **0**

##### Registration date

2016-01-27, 1394/11/07

#### Registrant information

##### Name

Zohre Hossinzade

##### Name of organization / entity

School of Nursing and Midwifery, Tehran University of Medical Sciences

##### Country

Iran (Islamic Republic of)

##### Phone

+98 84 3333 3631

##### Email address

z\_hossinzade@yahoo.com

#### Recruitment status

##### Recruitment complete

#### Funding source

Nursing and Midwifery, Tehran University of Medical Sciences

#### Expected recruitment start date

2015-12-22, 1394/10/01

#### Expected recruitment end date

2016-03-14, 1394/12/24

#### Actual recruitment start date

empty

#### Actual recruitment end date

empty

#### Trial completion date

empty

#### Scientific title

Effect of a virtual-based supportive education on nurse's Psychological Empowerment and self-efficacy in the Neonatal Intensive Care Units level 2

#### Public title

Effect of a virtual-based supportive education

#### Purpose

Other

#### Inclusion/Exclusion criteria

inclusion criteria: A bachelor degree and master ; At least 6 months experience in the Neonatal Intensive Care Units level 2 ; Willingness to participate in the study and follow-up training protocols ; Official personnel,Contract and Personnel plan exclusion criteria: Not wanting to continue reading ; nurse resignation of usage of website if she uses the site less than 16 hour during two months ; If during the course of the neonatal care unit out.

**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)**

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 Tehran University of Medical Sciences and Health Services (Research Center)

**Street address**

the sixth floor of the university, at the corner of the streets quds.keshavarz boulevard the sixth floor of the university, at the corner of the streets Quds, Keshavarz Boulevard, Tehran.

**City**

Tehran

**Postal code****Approval date**

2014-09-01, 1393/06/10

**Ethics committee reference number**

130/1304/93/3

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

Psychological Empowerment

**ICD-10 code**

-

**ICD-10 code description**

-

**2****Description of health condition studied**

Self-efficacy

**ICD-10 code**

-

**ICD-10 code description**

-

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

self- efficacy

**Timepoint**

Before the intervention and two month after the intervention

**Method of measurement**

Coates self- efficacy scale

**2****Description**

Psychological Empowerment

**Timepoint**

Before the intervention and two month after the intervention

**Method of measurement**

Spreitzer Psychological Empowerment Instrument

**Secondary outcomes****1****Description**

increased information of nurses about how to take care infant

**Timepoint**

during two months

**Method of measurement**

Test setup made through the site researcher

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

intervention group: Education how to take care of infant in the intervention group and through the website (e-learning) and follow up was conducted Telegram and questions and answer.

**Category**

Other

## 2

### Description

Control group:They used of routine education in ward.

### Category

Other

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Valiasr Hospital

##### Full name of responsible person

Zohre Hossinzade

##### Street address

Valiasr Hospital; Keshavarz Boulevard; Tehran.

##### City

Ilam

### 2

#### Recruitment center

##### Name of recruitment center

Children's Medical Center

##### Full name of responsible person

Zohre Hossinzade

##### Street address

Tehran Children Medical Center, Nosrat Western Avenue, Tehran.

##### City

Ilam

### 3

#### Recruitment center

##### Name of recruitment center

Baharlou Hospital

##### Full name of responsible person

Zohre Hossinzade

##### Street address

Behdari Avenue, Rah Ahan Square, Tehran

##### City

Ilam

### 4

#### Recruitment center

##### Name of recruitment center

Ziaeeyan Hospital

##### Full name of responsible person

Zohre hossinzade

##### Street address

Qazvin Avenue, Abozar Square, Tehran

##### City

Ilam

### 5

#### Recruitment center

##### Name of recruitment center

Comprehensive Women's Hospital(yas)

### Full name of responsible person

Zohre Hossinzade

### Street address

Karimkhan Avenue, North Ostad Nejatollahi Avenue, Tehran

### City

Ilam

### 6

#### Recruitment center

##### Name of recruitment center

Bahrami Hospital

##### Full name of responsible person

Zohre Hossinzade

##### Street address

Shaid Kiani Avenue, Damavand street, Emam Hossin Square; Tehran

##### City

Ilam

### 7

#### Recruitment center

##### Name of recruitment center

Arash Comprehensive Women's Hospital

##### Full name of responsible person

Zohre Hossinzade

##### Street address

Next to the police station 126; Baghdarnya Avenue; ,Fargam street, Second Square Tehranpars; Tehran

##### City

Ilam

## Sponsors / Funding sources

### 1

#### Sponsor

##### Name of organization / entity

Research of Tehran University of Medical Sciences  
Chancellor for Vice

##### Full name of responsible person

Dr Ziba Taghizadeh

##### Street address

School of Nursing and Midwifery, Nosrat West Street, Tehran University of Medical Sciences, Tehran

##### City

Tehran

#### Grant name

#### Grant code / Reference number

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

Yes

#### Title of funding source

Research of Tehran University of Medical Sciences  
Chancellor for Vice

#### Proportion provided by this source

100

#### Public or private sector

*empty*

#### Domestic or foreign origin

*empty*

**Category of foreign source of funding**

*empty*

**Country of origin**

**Type of organization providing the funding**

*empty*

**Person responsible for general inquiries**

**Contact**

**Name of organization / entity**

Faculty of Nursing and Midwifery, Tehran

**Full name of responsible person**

Zohre Hossinzade

**Position**

Master of Neonatal Intensive Care Nursing

**Other areas of specialty/work**

**Street address**

Faculty of Nursing and Midwifery, Nosrat Eastern Avenue, Towhid Square, Tehran

**City**

Tehran

**Postal code**

**Phone**

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**Web page address**

**City**

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**Postal code**

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**Fax**

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kadivarm@tums.ac.ir

**Web page address**

**Person responsible for updating data**

**Contact**

**Name of organization / entity**

School of Nursing and Midwifery, Tehran University of Medical Sciences

**Full name of responsible person**

Zohre Hossinzade

**Position**

Master of Neonatal Intensive Care Nursing

**Other areas of specialty/work**

**Street address**

**City**

**Postal code**

**Phone**

00

**Fax**

**Email**

**Web page address**

**Person responsible for scientific inquiries**

**Contact**

**Name of organization / entity**

Faculty of Medicine Tehran University of Medical Sciences

**Full name of responsible person**

Dr.Malihe Kadivar

**Position**

Neonatologist

**Other areas of specialty/work**

**Street address**

Tehran Children Medical Center NICU ward, Nosrat Western Avenue, Tehran.

**Sharing plan**

**Deidentified Individual Participant Data Set (IPD)**

*empty*

**Study Protocol**

*empty*

**Statistical Analysis Plan**

*empty*

**Informed Consent Form**

*empty*

**Clinical Study Report**

*empty*

**Analytic Code**

*empty*

**Data Dictionary**

*empty*