Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 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 cerner 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/د

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

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Postal code

Phone

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Fax

Email

z_hossinzade@yahoo.com

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.

City

Tehran

Postal code

Phone

+98 21 61479

Fax

Email

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

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