

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

18 Jun 2026

### The impact of Web-based education program on the neonatal care nurses' self-efficacy in the level one .

#### Protocol summary

##### Summary

Aims: The purpose of this study was to determine the impact of Web-based education program on the neonatal care nurses' self-efficacy in the level one. Design: This study is a quasi-experimental study with two groups of experimental and control. Participants including the conditions of entry and exit: 80 Nurses and midwives working in the neonatal wards in the level one of Tehran, Valiasr, Ziaeian, Comprehensive Women, Arash, Baharlo and Shariati hospitals that chosen by voluntarily sampling method and were divided into two experimental and control groups. Implementation method: Schwarzer efficacy questionnaire in the pre-test and post-test (two months after the pre-test) in two groups. Intervention: Experimental group with under 2 months of training through system virtual symbol of virtual schools of Tehran University Of Medical Sciences using the educational content in the form of visual (multimedia files), audio (podcasting) and text files (PDF) were. The main outcome variable: Expression of this will be that this weather this way of teaching efficacy Neonatal Nurses will be effective or not?

#### General information

##### Acronym

-

##### IRCT registration information

IRCT registration number: **IRCT2016011225974N1**  
Registration date: **2016-02-01, 1394/11/12**  
Registration timing: **registered\_while\_recruiting**

Last update:

Update count: **0**

##### Registration date

2016-02-01, 1394/11/12

##### Registrant information

##### Name

Tahereh Nikdel

##### Name of organization / entity

Faculty of Nursing and Midwifery of Tehran University  
Of Medical Sciences

##### Country

Iran (Islamic Republic of)

##### Phone

+98 13 4436 3021

##### Email address

tahereh.nikdel@yahoo.com

##### Recruitment status

**Recruitment complete**

##### Funding source

Vice chancellor for research of Faculty of Nursing and  
Midwifery of Tehran University Of Medical Sciences

##### Expected recruitment start date

2015-12-26, 1394/10/05

##### Expected recruitment end date

2016-02-24, 1394/12/05

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

The impact of Web-based education program on the  
neonatal care nurses' self-efficacy in the level one .

##### Public title

The impact of Web-based education on the neonatal care  
nurses' self-efficacy in the level one .

##### Purpose

Health service research

##### Inclusion/Exclusion criteria

Inclusion criteria: Work experience in neonatal units (at  
least six months before jury study) having skill in working  
with computers and the Internet to provide proof of ICDL,

Internet access, has a bachelor or master's degree in nursing or midwifery. Exclusion criteria: Change the samples of the intervention and control groups, number of login less than 8 times in system.

**Age**

No age limit

**Gender**

Female

**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**

By using of the randomized method (lottery style) 3 hospitals as control group and 3 hospitals as intervention group were selected.

**Secondary Ids****1****Registry name**

-

**Secondary trial Id**

-

**Registration date**

empty

**Ethics committees****1****Ethics committee****Name of ethics committee**

Ethics Committee of Tehran University Of Medical Sciences

**Street address**

The sixth floor of the university at the corner of the street Guys, Keshavarz Boulevard, Tehran

**City**

Tehran

**Postal code**

-

**Approval date**

2015-11-22, 1394/09/01

**Ethics committee reference number**

IR.TUMS.REC.1394.1211

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

self-efficacy

**ICD-10 code****ICD-10 code description****Primary outcomes****1****Description**

Nurses' Self-efficacy

**Timepoint**

Before the intervention and 2 months after the intervention.

**Method of measurement**

Schwarzer Self-efficacy Questionnaire (GSE10)

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

Nurses' s knowledge and skills in the care of newborn

**Timepoint**

1 and 2 month after intervention

**Method of measurement**

Examination through system virtual symbol

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

Experimental group :With under 2 months of training through system virtual symbol of virtual schools of Tehran University Of Medical Sciences using the educational content in the form of visual (multimedia files), audio (podcasting) and text files were.

**Category**

Other

**2****Description**

Control group: routine tasks performed.

**Category**

Other

**Recruitment centers****1****Recruitment center****Name of recruitment center**

Baharloo hospital

**Full name of responsible person**

Tahereh Nikdel(Master of Neonatal Intensive Care

Nursing )

**Street address**

Behdari Street, Rahahan Square, Tehran

**City**

Rasht

2

**Recruitment center**

**Name of recruitment center**

Arash Comprehensive Womens hospital

**Full name of responsible person**

Tahereh Nikdel(Master of Neonatal Intensive Care Nursing)

**Street address**

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

**City**

Rasht

3

**Recruitment center**

**Name of recruitment center**

Valiasr hospital

**Full name of responsible person**

Tahereh Nikdel(Master of Neonatal Intensive Care Nursing )

**Street address**

Valiasr hospital, Imam Khomeini Hospital, Keshavarz Boulevard,Tehran

**City**

Rasht

4

**Recruitment center**

**Name of recruitment center**

Ziaeian hospital

**Full name of responsible person**

Tahereh Nikdel(Master of Neonatal Intensive Care Nursing )

**Street address**

Front Municipal Area 17, Abouzar Street, Qazvin Street, Tehran

**City**

Rasht

5

**Recruitment center**

**Name of recruitment center**

comprehensive women( Moheb yas) hospital

**Full name of responsible person**

Tahereh Nikdel(Master of Neonatal Intensive Care Nursing )

**Street address**

end of North Nejatollahi Street, Karim Khan Zand Street, Tehran

**City**

Rasht

6

**Recruitment center**

**Name of recruitment center**

Shariati hospital

**Full name of responsible person**

Tahereh Nikdel(Master of Neonatal Intensive Care Nursing )

**Street address**

Jalal-e-Al-e-Ahmad Three way, North Kargar Street,Tehran

**City**

Rasht

**Sponsors / Funding sources**

1

**Sponsor**

**Name of organization / entity**

Vice chancellor for research of Faculty of Nursing and Midwifery of Tehran University of Medical Sci

**Full name of responsible person**

Dr Ziba Taghizadeh

**Street address**

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

**City**

Tehran

**Grant name**

**Grant code / Reference number**

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

Yes

**Title of funding source**

Vice chancellor for research of Faculty of Nursing and Midwifery of Tehran University of Medical Sci

**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 of Tehran University Of Medical Sciences

**Full name of responsible person**

Tahereh nikdel

**Position**

Master of Neonatal Intensive Care Nursing

**Other areas of specialty/work**

**Street address**

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**Person responsible for scientific inquiries**

**Contact**

**Name of organization / entity**

Faculty of Medicine of 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

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Kadivarm@tums.ac.ir

**Web page address**

**Person responsible for updating data**

**Contact**

**Name of organization / entity**

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**Full name of responsible person**

Tahereh Nikdel

**Position**

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**Other areas of specialty/work**

**Street address**

Faculty of Nursing and Midwifery, Nosrat Western Avenue, Tehran

**City**

Tehran

**Postal code**

**Phone**

+98 13 4436 3021

**Fax**

**Email**

Tahereh.nikdel@yahoo.com

**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*