

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

09 Jul 2026

### Effect of implementation of evidence-based guidelines on the Indicators of care improving in Newborn Intensive Care Unit

#### Protocol summary

##### Summary

The aim of this study was to determine the effect of implementation of evidence-based guidelines to improve the care of newborns admitted to the neonatal intensive care unit at Baqiyatallah hospital in Tehran in 1392. In implementing this research, we will get permission from the hospital staff of Baqiyatallah Hospital. Then, parents' satisfaction from hospital care (using a standard questionnaire developed by the researchers) and the quality of standards of care by nurses of the neonatal intensive care unit (using nursing standards checklist) will be evaluated. At the same time infant's length of stay and infant's weight by digital scale will be measured and recorded. Then personnel will be trained about guidelines for evidence-based nursing and accordance with the instructions of the application and registration process during two days for 8 hours. We will emphasize on the importance of implementing these guidelines. Training contents include explaining and defining guidelines for evidence-based nursing, nursing process steps definition and explaining how charting them, explaining types of registering nursing process forms, treatment forms, and nursing care forms. For resolving potential problems in the registration form, again two weeks later, a meeting will be held. Two months after the training instructions and implementing them, the quality of care standards, parental satisfaction, infant's weight and length of stay will be evaluated. The results will be compared before and after the intervention. Inclusion criteria all nurses working in the NICU at the Baqiyatallah hospital in Tehran. Exclusion criteria included: nurses disagree with continuing cooperation on and not participating of nurses in training programs and infants who have a critical situation.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT201404274299N2**

Registration date: **2014-05-30, 1393/03/09**

Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2014-05-30, 1393/03/09

##### Registrant information

###### Name

Jamileh Mokhtari Nouri

###### Name of organization / entity

Baqiyatallah University of Medical Sciences

###### Country

Iran (Islamic Republic of)

###### Phone

+98 912 248 8525

###### Email address

mokhtari@bmsu.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Vice Chancellor of the University's research and technology

##### Expected recruitment start date

2014-01-21, 1392/11/01

##### Expected recruitment end date

2014-05-10, 1393/02/20

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Effect of implementation of evidence-based guidelines on the Indicators of care improving in Newborn Intensive

Care Unit

## Public title

Importance of evidence-based nursing guidelines on patient care quality

## Purpose

Health service research

## Inclusion/Exclusion criteria

Inclusion criteria; satisfaction and willingness to cooperate in the investigation, Nurses with bachelors or master's degree in nursing, working in NICU, infants less than 37 weeks of gestational age admitted to the NICU, infants without congenital anomalies or syndromes, infants who are not involved with the long-term effects of the disease, infant's weight less than 2500 g, parents of infants has above standards. Exclusion criteria: nurses who disagree with continuing the cooperation, nurses who do not participate in orientation programs and patients with critical situation during their treatments like emergency code

## Age

From **1 day** old to **15 days** old

## Gender

Both

## Phase

N/A

## Groups that have been masked

*No information*

## Sample size

Target sample size: **100**

## Randomization (investigator's opinion)

N/A

## Randomization description

## Blinding (investigator's opinion)

Not blinded

## Blinding description

## Placebo

Not used

## Assignment

Single

## Other design features

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

##### Name of ethics committee

Ethics Committee of Baqiyatallah University of Medical Sciences

##### Street address

Baqiyatallah University of Medical Sciences, Molla Sadra Street, Vanak Sq., Tehran

##### City

Tehran

##### Postal code

#### Approval date

2013-10-27, 1392/08/05

## Ethics committee reference number

340/3/6434/س

## Health conditions studied

### 1

#### Description of health condition studied

Implementation of evidence-based guidelines

#### ICD-10 code

Z00.8

#### ICD-10 code description

Health examination in population surveys

## Primary outcomes

### 1

#### Description

Parent satisfaction

#### Timepoint

Before the intervention and 2 months after teaching and implementation of evidence base nursing guideline

#### Method of measurement

Researcher made Questionnaire

### 2

#### Description

Infant weight

#### Timepoint

Before the intervention and 2 months after teaching and implementation of evidence base nursing guideline

#### Method of measurement

Digital scales

### 3

#### Description

Hospitalization period

#### Timepoint

Before the intervention and 2 months after teaching and implementation of evidence base nursing guideline

#### Method of measurement

The time of admission and discharge

### 4

#### Description

Quality of nursing care standards

#### Timepoint

Before the intervention and 2 months after teaching and implementation of evidence base nursing guideline

#### Method of measurement

Checklist extracted from ANA stand Nursing services and a checklist for implementation of guideline

## Secondary outcomes

empty

## Intervention groups

1

### Description

Guidelines for evidence-based nursing and accordance with the instructions of the application and registration process for the past two days, 8 hours of nursing personnel to be trained educational content guidelines include a description and definition of evidence-based nursing, nursing process steps are defined and explained in the chart, explaining the various forms of registered nursing process. To address potential problems in the registration form again two weeks later, a meeting will be held to correct the problems. After two months of training and instruction to ensure the implementation of the guidelines checklist extracted from ANA stand Nursing services to be used and again the quality standards of care and Parents' satisfaction by researcher made questionnaire and weight infants using a digital scale and duration of hospitalization in the neonatal admission to discharge were evaluated the results are compared before and after the intervention

### Category

Other

## Recruitment centers

1

### Recruitment center

#### Name of recruitment center

Baqiyatallah Hospital

#### Full name of responsible person

Mrs Mozafari- NICU

#### Street address

Baqiyatallah Hospital, Molla sadra Street, Vanak Sq., Tehran

#### City

Tehran

## Sponsors / Funding sources

1

### Sponsor

#### Name of organization / entity

Baqiyatallah University of Medical Sciences-Deputy of Research and Technology

#### Full name of responsible person

Dr. Mortaza Izadi

#### Street address

Third Floor, Baqiyatallah University of Medical Sciences, Molla Sadra Street, Vanak Sq., Tehran

#### City

Tehran

### Grant name

### Grant code / Reference number

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

Yes

### Title of funding source

Baqiyatallah University of Medical Sciences-Deputy of Research and Technology

### 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

Baqiyatallah University of Medical Sciences

#### Full name of responsible person

Abas Ebadi

#### Position

PHD

#### Other areas of specialty/work

#### Street address

Baqiyatallah University of Medical Sciences, Molla Sadra Street, Vanak Sq., Tehran

#### City

Tehran

#### Postal code

#### Phone

+98 21 2228 9941

#### Fax

#### Email

ebadi1347@yahoo.com

#### Web page address

## Person responsible for scientific inquiries

### Contact

#### Name of organization / entity

Baqiyatallah University of Medical Sciences

#### Full name of responsible person

Sayed Mohammad Khademolhoseni

#### Position

PHD

#### Other areas of specialty/work

#### Street address

Baqiyatallah University of Medical Sciences, Molla Sadra Street, Vanak Sq., Tehran

#### City

Tehran

#### Postal code

#### Phone

+98 21 2228 9941

#### Fax

#### Email

khadem1967@yahoo.com

#### Web page address

## Person responsible for updating data

### Contact

**Name of organization / entity**

Baqiyatallah University of Medical Sciences

**Full name of responsible person**

Jamileh Mokhtari Nouri

**Position**

PHD

**Other areas of specialty/work****Street address**

Baqiyatallah University of Medical Sciences, Molla Sadra Street, Vanak Sq., Tehran

**City**

Tehran

**Postal code****Phone**

+98 21 3364 3293

**Fax****Email**

mokhtari@bmsu.ac.ir

**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*