

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

Effect of peers education on the performance of the health care teams in the management of noise in the neonatal intensive care units

Protocol summary

Summary

This study aimed to determine the effect of peer education on the health care team in the management of noise in the NICU will be done. Inclusion criteria included working as a nurse or doctor and them also be fixed in the study and In the absence of personnel during the intervention or transfer of personnel to other parts of the study will be deleted. The study population are 41 persons of health care team which in this study consisted of nurses and doctors working in the Beheshti hospital NICU. This pre-post test quasi-experimental design will be conducted during 2 months in winter 93. sound pressure levels will be measured before intervention by the st-8851 sound level meter, which will be performed according to the method specified in the standard, 34 hours within 2 weeks. Also awareness and performance of the health care teams in the management of noise before intervention will be evaluated with the questionnaire which will be completed by the health care teams. Intervention is the peer education. Seven peer educator consisted two doctor and five nurses will be educated other employee. This education will be face to face and team speaking in two weeks interval. Three weeks after the first phase, sound pressure levels will be measured and questionnaires will be completed by the health care teams.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014122420423N1**

Registration date: **2015-02-25, 1393/12/06**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2015-02-25, 1393/12/06

Registrant information

Name

Azam Biabanaki Goortani

Name of organization / entity

Isfahan University of Medical Sciences

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Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Isfahan University Of Medical Sciences

Expected recruitment start date

2014-11-22, 1393/09/01

Expected recruitment end date

2015-01-21, 1393/11/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of peers education on the performance of the health care teams in the management of noise in the neonatal intensive care units

Public title

Effect of education in the management of noise in the neonatal intensive care unit

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: 1- Participants in this study are part of

nurses and doctors working in the sector. 2-Participants in the study, the staff are fixed. exclusion criteria: 1-Staff absences during the intervention period for various reasons(leave,.....). 2- transfer of Personnel to another ward.

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 41

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

School of Nursing and Midwifery, Isfahan University of Medical Sciences

Street address

Isfahan, hezar jarib avenue

City

Isfahan

Postal code

8174673261

Approval date

2014-09-23, 1393/07/01

Ethics committee reference number

393593

Health conditions studied

1

Description of health condition studied

Noise in NICU

ICD-10 code

E21

ICD-10 code description

Factors influencing health status and contact with health services

Primary outcomes

1

Description

Awareness of the health care team about the noise sources, noise hazards and how to reduce noise on the ward

Timepoint

Before intreviewtion and five weeks after the intervention

Method of measurement

Questionnaire

2

Description

Noise in NICU

Timepoint

before intreviewtion and five weeks after intervention

Method of measurement

st-8851 sound level meter for measurement of noise

3

Description

Noise in NICU

Timepoint

Before intreviewtion and five weeks after the intervention

Method of measurement

st-8851 sound level meter for measurement of noise

4

Description

Health-care team Performance on the Sound management

Timepoint

before intreviewtion and five weeks after intervention

Method of measurement

Questionnaire

5

Description

Health-care team Performance on the Sound management

Timepoint

Before intreviewtion and five weeks after the intervention

Method of measurement

Questionnaire

Secondary outcomes

1

Description

Range of noise in NICU and awareness and performance of Health care team in noise management

Timepoint

Before intervention and five weeks after intervention

Method of measurement

Noise dosimeter and questionnaire

Intervention groups

1

Description

A pre-post test quasi-experimental design will be used, in which sound pressure levels will be measured before and after the intervention by the st-8851 sound level meter, which will be performed according to the method specified in the standard, 34 hours within 2 weeks using standard dosimeters and were measured at different locations on the basis of standard protocol. These locations include the center section, the input section, the isolated area, staff station, and the infant's bedside. Average sound is measured in this way is stable and the sound is measured in decibels. Also awareness and performance of the health care teams in the management of noise before and after intervention were evaluated with the questionnaire which will be completed by the health care teams. Intervention is the peer education. The health care teams will be initially contacted through informal interviews during the morning, afternoon and night shifts. Leaflets will be delivered and posters installed to raise awareness of the harmful effects of noise on neonates and professionals and to suggest behavioral changes to reduce noise levels. Seven peer educator consisted two doctor and five nurses will be educated other employee. This education is face to face and team speaking in two weeks interval. Three weeks after the first phase, sound pressure levels will be measured and questionnaires will be completed by the health care teams. Then the answers of questions will be compared and analyzed. In addition, sound pressure levels will be measured and compared to before intervention and will be analyzed.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Shahid Doctor Beheshti Hospital

Full name of responsible person

Azam Biabanaki Goortani

Street address

Isfahan

City

Isfahan

2

Recruitment center

Name of recruitment center

shahid doctor beheshti Hospital

Full name of responsible person

azam biabanaki goortani

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Isfahan University of Medical Sciences

Full name of responsible person

Doctor Ashraf Kazemi

Street address

Isfahan University of Medical Sciences, Hezarjarib avenue

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Grant name

Grant code / Reference number

393593

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

Yes

Title of funding source

Isfahan University of Medical Sciences

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

Isfahan University of Medical Sciences

Full name of responsible person

Doctor Mahboobe Namnabati

Position

Doctor of Nursing Faculty of Nursing and Midwifery,
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Other areas of specialty/work

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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