Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 2026

Investigating the Effect of Training of Nurses and Mothers on the positioning of Premature Babies Admitted to the Neonatal Intensive Care Unit of Shahid Sadoughi Hospital, Yazd

Protocol summary

Study aim
The Effect of Training of Nurses and Mothers on The positioning of Premature Babies

Design
This is a randomized clinical trial without a control parallel group was conducted in three stages before and one week and one month later. The samples including all ward nurses (36 people), mothers (9 people) and hospitalized premature babies (9 people) were randomly selected based on the software. In this way, each baby was observed three times a day for three consecutive days and in total 72 observations were recorded in stage 1 and 2 and 63 in stage 3. Sampling in the neonatal intensive care unit of Shahid Sadoughi Hospital lasted from 12/05/2022 to the end of 24/07/2022.

Settings and conduct
This research was carried out in the neonatal intensive care unit of Shahid Sadoughi Hospital in Yazd

Participants/Inclusion and exclusion criteria
Inclusion criteria: infants with a gestational age of 26-33 weeks, mothers with being literate in reading and writing, and not participating in similar programs, Exclusion criteria: infants taking painkillers and sleeping pills, having grade 2 and higher intraventricular hemorrhages, having neuromuscular defects, and mothers with addictions and mental illnesses. Drug use, inability to cooperate.

Intervention groups
Training sessions were held for nurses and mothers during one week. After the completion of the theory sessions, a practical session (for two hours) was held by the researchers. then, the training of the mothers was carried out . In addition to the theoretical and practical training provided, posters related to positioning were designed by the researchers .

Main outcome variables
The Mean of positioning Score of Premature Infants

General information

Reason for update

Acronym

IRCT registration information
IRCT registration number: **IRCT20100411003679N3**
Registration date: **2023-03-12, 1401/12/21**
Registration timing: **retrospective**

Last update: **2023-03-12, 1401/12/21**
Update count: **0**

Registration date
2023-03-12, 1401/12/21

Registrant information

Name
Khadijeh Dehghani

Name of organization / entity
Shahid Sadoughi University Of Medical Sciences, Yazd,Iran

Country
Iran (Islamic Republic of)

Phone
+98 35 1824 1751

Email address
dehghanish@ssu.ac.ir

Recruitment status
Recruitment complete

Funding source

Expected recruitment start date
2022-05-12, 1401/02/22

Expected recruitment end date
2022-06-24, 1401/04/03

Actual recruitment start date
2022-05-12, 1401/02/22

Actual recruitment end date
2022-06-24, 1401/04/03

Trial completion date
2023-01-17, 1401/10/27

Scientific title
Investigating the Effect of Training of Nurses and Mothers on the positioning of Premature Babies Admitted to the Neonatal Intensive Care Unit of Shahid Sadoughi Hospital, Yazd

Public title
Investigating the Effect of Training of Nurses and Mothers on the positioning of Premature Babies Admitted to the Neonatal Intensive Care Unit of Shahid Sadoughi Hospital, Yazd

Purpose
Health service research

Inclusion/Exclusion criteria

Inclusion criteria:
Premature babies hospitalized 26-33 weeks were included in the study. mothers being able to read and write, attending the neonatal intensive care unit to take care of the baby, not participating in similar programs were included.

Exclusion criteria:
Babies taking painkillers and sleeping pills, babies with grade 2 and higher intraventricular hemorrhages, babies with congenital abnormalities in the abdomen or spine, babies with neuromuscular defects were excluded from the study.Mothers with addictions, confirmed mental illnesses taking medication , inability to cooperate were excluded.

Age
No age limit

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **68**
Actual sample size reached: **66**

Randomization (investigator's opinion)
N/A

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Single

Other design features
Both nurses and mothers were trained.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Ethics Committee of Shahid Sadoughi University of Medical Sciences

Street address
The Central Building Of University Of Medical Sciences, Bahonar Blvd

City
Yazd

Province
Yazd

Postal code
8916978477

Approval date
2022-01-26, 1400/11/06

Ethics committee reference number
IR.SSU.REC.1400.222

Health conditions studied

1

Description of health condition studied
Positioning of Premature Infants

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description
Mean Score of Positioning of Premature Infants

Timepoint
Before The Start of The Intervention and one week and one month after The Intervention

Method of measurement
Infant Positioning Assessment Tool

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: Training sessions were held for nurses and mothers during one week. The training of nurses included theoretical and practical sessions. Each theory session was held through lectures, slide shows, film screenings and the use of baby mollage for positioning for four hours (from 8:00 AM to 12:00 AM). In order for all nurses to participate, nurses were divided into four groups and for Each group was presented with separate theory sessions. After the completion of the theory sessions, for each group of nurses, a practical session (for two hours) was held by the researcher inside the neonatal intensive care unit in order to observe and

practice the positioning in practice. After the training of the nurses, the training of the mothers also It was planned and carried out by another researcher of the research team. In this way, the training of mothers was done in two educational groups and for each group, including a theory session (from 8 to 10) with simple and understandable language along with questions and answers to their questions, and after the completion of the theory session, a session A two-hour practice was held in the ward and on the baby's bed. The education of mothers was similar to that of nurses through lectures, slide shows, movies and using baby mollage for positioning. In addition to the theoretical and practical training provided, the posters related to positioning were designed by the researchers and based on the opinion of the head of the department and the head of the department, they were installed in different parts of the department to be visible to mothers and nurses.

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Neonatal Intensive Care Unit, Shahid Sadoughi Hospital, Yazd

Full name of responsible person

Khadijeh Dehghani

Street address

Shahid Sadoughi Hospital,Yazd

City

yazd

Province

Yazd

Postal code

8916886938

Phone

+98 35 3822 4000

Email

medschool@ssu.ac.ir

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Yazd University of Medical Sciences

Full name of responsible person

Dr Alireza Moradi

Street address

The Center Building of Shahid Sadoughi Medical Sciences, Yazd

City

Yazd

Province

Yazd

Postal code

8916978477

Phone

+98 35 3724 0171

Email

yazd.ircme@ssu.ac.ir

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Yazd University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

Academic

Person responsible for general inquiries

Contact

Name of organization / entity

Yazd University of Medical Sciences

Full name of responsible person

Khadijeh Dehghani

Position

assistant professor

Latest degree

Master

Other areas of specialty/work

Nursery

Street address

Shahid Sadoughi School of Nursing And Midwifery, Yazd

City

yazd

Province

Yazd

Postal code

8916978477

Phone

+98 35 3824 1751

Email

dehghanish@ssu.ac.ir

Person responsible for scientific inquiries

Contact

Name of organization / entity

Yazd University of Medical Sciences

Full name of responsible person

Khadijeh Dehghani

Position

Assistant Professor

Latest degree

Master

Other areas of specialty/work
Nursery
Street address
School of Nursing and Midwifery,Yazd
City
Yazd
Province
Yazd
Postal code
8916978477
Phone
+98 35 3824 1751
Email
dehghanish@ssu.ac.ir

Person responsible for updating data

Contact
Name of organization / entity
Yazd University of Medical Sciences
Full name of responsible person
Khadijeh Dehghani
Position
assistants professor
Latest degree
Master
Other areas of specialty/work
Nursery
Street address
Nursing and Midwifery school, Yazd
City
Yazd
Province
Yazd
Postal code
8916978477
Phone
+98 35 3824 1751
Email
dehghanish@ssu.ac.ir

Sharing plan

Deidentified Individual Participant Data Set (IPD)
Undecided - It is not yet known if there will be a plan to make this available
Study Protocol
Undecided - It is not yet known if there will be a plan to make this available
Statistical Analysis Plan
Not applicable
Informed Consent Form
Undecided - It is not yet known if there will be a plan to make this available
Clinical Study Report
Not applicable
Analytic Code
Not applicable
Data Dictionary
Not applicable