

Clinical Trial Protocol

Iranian Registry of Clinical Trials

27 Sep 2026

Investigating the impact of neonatal palliative care training on the performance of neonatal intensive care unit nurses

Protocol summary

Study aim

Determining the impact of palliative care training on the performance of neonatal intensive care unit nurses

Design

Clinical trial, with control group, with parallel groups, without blinding, phase 3 on 70 nurses, Random Generator software will be used for randomization.

Settings and conduct

The location of the study will be the neonatal intensive care unit of Sadoughi and Afshar hospitals in Yazd; The studied population is all the nurses of the neonatal intensive care unit of Sadoughi and Afshar hospitals in Yazd

Participants/Inclusion and exclusion criteria

Inclusion criteria: working experience of at least 6 months in the special department for newborns with a degree in nursing and above; having consent to participate in the study. Exclusion criterion: previous history of participation in the palliative care training workshop

Intervention groups

The nurses of the intervention group will be taught palliative care in the form of a workshop for three days. And the nurses of the control group will not receive training and the scores of these two groups will be scored and compared using a checklist.

Main outcome variables

Performance score of nurses regarding the palliative care of newborns in the neonatal intensive care unit

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20231129060224N1**

Registration date: **2024-01-05, 1402/10/15**

Registration timing: **registered_while_recruiting**

Last update: **2024-01-05, 1402/10/15**

Update count: **0**

Registration date

2024-01-05, 1402/10/15

Registrant information

Name

mina maleki

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 31 3333 2753

Email address

m.maleki@stu.ssu.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2024-01-05, 1402/10/15

Expected recruitment end date

2024-12-21, 1403/10/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Investigating the impact of neonatal palliative care training on the performance of neonatal intensive care unit nurses

Public title

The impact of neonatal palliative care training on the performance of neonatal intensive care unit nurses

Purpose

Education/Guidance

Inclusion/Exclusion criteria

Inclusion criteria:
Work experience of at least 6 months in the special department for newborns with a nursing degree and above Consent to participate in the study

Exclusion criteria:
Previous history of participating in palliative care training

Age
No age limit

Gender
Female

Phase
3

Groups that have been masked
No information

Sample size
Target sample size: **70**

Randomization (investigator's opinion)
Randomized

Randomization description
All the nurses working in the neonatal intensive care unit of Shahid Sadoughi and Afshar hospitals will be allocated to groups using the Random Generator software, which is a random allocation software, and the qualified nurses will be equally placed in the intervention and control groups.

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

Research Ethics Committee of Shahid Sadoughi University of Medical Sciences, Yazd

Street address

Bahonar square

City

yazd

Province

Yazd

Postal code

8915887857

Approval date

2023-11-04, 1402/08/13

Ethics committee reference number

IR.SSU.REC.1402.061

Health conditions studied

1

Description of health condition studied

Palliative care

ICD-10 code

Z51.5

ICD-10 code description

Encounter for palliative care

Primary outcomes

1

Description

Performance of nurses in neonatal palliative care

Timepoint

Examining the performance of nurses regarding palliative care before the intervention and 14 and 21 days after the training workshop.

Method of measurement

Assessing nurses performance using the nurses performance checklist in palliative care

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: a suitable schedule will be created for nurses to implement the nurse training program. which will include: date, place, subject, time and duration of each meeting. The educational program will include two parts, the theoretical part (definition of palliative care, benefits, principles, reasons, philosophy and the role of the nurse in relation to palliative care and...) and practical parts (the role of nursing related to pain control, comfort measures, symptom management, ventilation) It will cover treatment, oxygen therapy, nutrition and family support. And before the training, the performance of the nurses in the morning and evening shifts will be observed for 15-20 minutes and scored using the performance checklist by the assistant researcher. Then these sessions will be held in the study environment. The group will be trained in theoretical and practical sessions. And a copy of the training program will be given to each nurse, and after the training, the performance score of the nurses will be measured two weeks and four weeks later and will be compared with the control group.

Category

Other

2

Description

Control group: In the control group, no training will be given to nurses; And their performance score regarding the palliative care of newborns will be measured and graded using a checklist and will be compared with the

intervention group.
Category
Other

Recruitment centers

1

Recruitment center

Name of recruitment center
Neonatal intensive care unit; Yazd Shahid Sadoughi Hospital
Full name of responsible person
Khadijeh Dehghani
Street address
Ibn Sina St., Shahid Sadouqi Hospital, Yazd
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sadoghi-hospital@ssu.ac.ir

2

Recruitment center

Name of recruitment center
Afshar Hospital, Yazd
Full name of responsible person
Khadijeh Dehghani
Street address
Mohammad Sadegh Afshar Hospital; Jomohri Blvd
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Email
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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Yazd University of Medical Sciences
Full name of responsible person
Dr. Amin Salehi
Street address
Bahonar Boulevard ,the central building of Shahid Sadoughi University of Medical Sciences Yazd
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Phone
+98 35 2437 7111
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info@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
Associate professor of Yazd University of Medical Sciences
Latest degree
Master
Other areas of specialty/work
Nursery
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Person responsible for scientific inquiries

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Person responsible for updating data

Contact

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Yes - There is a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

Yes - There is a plan to make this available

Data Dictionary

Yes - There is a plan to make this available

Title and more details about the data/document

All data can potentially be shared after de-identifying individuals.

When the data will become available and for how long

The access period starts 6 months after the results are published.

To whom data/document is available

Researchers working in academic and scientific institutions

Under which criteria data/document could be used

Access to data is possible by observing research ethics and referencing.

From where data/document is obtainable

Mrs. Khadijah Dehghani/ Yazd University of Medical Sciences/ dehghanish@ssu.ac.ir/ 09131535531

What processes are involved for a request to access data/document

One Month

Comments