

Clinical Trial Protocol

Iranian Registry of Clinical Trials

19 Jul 2026

The effect of implementation of the discharge planning on the satisfaction of mothers and the readmission of hospitalized premature infants

Protocol summary

Study aim

Determination the effect of implementation of the discharge planning on the satisfaction of mothers and the readmission of hospitalized premature infants

Design

A randomized controlled trial study was conducted on 56 mothers of preterm infants. Simple randomization. Not blinded and parallel. between October 2018 and November 2018.

Settings and conduct

The research environment in this study is the neonatal department or NICU of Khorramshahr Valiasr hospital . From the research community, people will be selected. The samples are divided into two groups of control (28 people) and intervention (28 people). Then, parents' satisfaction evaluate with parental satisfaction questionnaire before and after intervention will evaluate, and one month after discharge, the condition of the newborn's readmission will be Follow up by phone call with parents.

Participants/Inclusion and exclusion criteria

Inclusion criteria : birth age between 32-36 weeks; Apgar score of 5 minute after birth was more than 7 ; infants without congenital anomalies or syndromes; The mother has not history of mental disease or the mother has not a history of substance abuse. Exclusion criteria :Newborn with cardiopulmonary resuscitation. Mother is a member of the University of Medical Sciences

Intervention groups

Implementation of discharge planning for the intervention group from the time of admission and the day of discharge (in two session). Each training session is individual and one-hour with practical , teaching-lecture and booklet (educational package). The first training session will be on the second day of admission and the second training session on the day of discharge. The control group recieves routine training (include

lactation, infection control, follow up screening program) of the department.

Main outcome variables

Readmission; Satisfaction

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20181215041983N1**

Registration date: **2020-02-08, 1398/11/19**

Registration timing: **retrospective**

Last update: **2020-02-08, 1398/11/19**

Update count: **0**

Registration date

2020-02-08, 1398/11/19

Registrant information

Name

Alieh Afsharnia

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 61 5353 1442

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a.afsharnia@abadanums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-11-19, 1397/08/28

Expected recruitment end date

2019-01-20, 1397/10/30

Actual recruitment start date

empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title
The effect of implementation of the discharge planning on the satisfaction of mothers and the readmission of hospitalized premature infants

Public title
The effect of the implementation of the discharge plan on the satisfaction of mothers and the re-admission of premature infants

Purpose
Education/Guidance

Inclusion/Exclusion criteria
Inclusion criteria:
 Newborn age between 32-36 week of gestational age
 Apgar score of 5 minute > 7 Without congenital anomaly or syndromes
 Mother preparation for cooperation To be able read and write
 The mother has not history of mental disease or substance abuse
Exclusion criteria:
 Newborn with cardiopulmonary resuscitation
 Mother is a member of the University of Medical Sciences

Age
No age limit

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **56**

Randomization (investigator's opinion)
Randomized

Randomization description
Randomization in this study was performed by simple randomization method. The randomization tool was flip of the coin. Coins were thrown until the sample size was reached.

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

Ethics committee of Ahwaz University of Medical Sciences

Street address

Ahwaz University of Medical Sciences, No. 7, West Golestan Ave, Golestan Highway, Ahvaz Town

City

Ahwaz

Province

Khouzestan

Postal code

6193673111

Approval date

2018-11-17, 1397/08/26

Ethics committee reference number

IR.AJUMS.REC.1397.617

Health conditions studied

1

Description of health condition studied

Prematurity

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Satisfaction score in parental satisfaction questionnaire

Timepoint

Before the intervention and the day of discharge (after the intervention),

Method of measurement

Parental satisfaction questionnaire

2

Description

Readmission

Timepoint

One month after discharge

Method of measurement

Call

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Implementation of discharge planning for the intervention group from the time of admission and the day of discharge (in two session), each training session is individual and one-hour with practical, teaching-lecture and booklet (educational package). The first training session will be on the second

day of admission and the second training session on the day of discharge.

Category

Other

2

Description

Control group: receive routine program.

Category

Behavior

Recruitment centers

1

Recruitment center

Name of recruitment center

Valiasr hospital

Full name of responsible person

Alieh Afsharnia

Street address

Valiasr Hospital, Water Organization Blvd.

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Ahvaz University of Medical Sciences

Full name of responsible person

Dr. Mohammad Badavi

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Grant name

Grant code / Reference number

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

Yes

Title of funding source

Ahvaz 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

Ahvaz University of Medical Sciences

Full name of responsible person

Shahnaz Rostami

Position

Associate professor

Latest degree

Ph.D.

Other areas of specialty/work

Nursery

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Person responsible for scientific inquiries

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Other areas of specialty/work

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

No - There is not a plan to make this available

Justification/reason for indecision/not sharing IPD

No more information

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

No - There is not a plan to make this available

Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available