Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

Effects of non-nutritive sucking and feeding in preterm infants growth,that admitted to Children's Hospital and Shariati in Bandar Abbas in 2012.

Protocol summary

Summary

Some research has shown that factors such as Skin Contact between mother and newborn, sucking on a pacifier or an empty breast feeding can be affecting the infant's development. The purpose In this study we examine the effect of pacifier sucking breast empty for growth of preterm infants admitte to Children's Hospital and Shariati in Bandar Abbas in 2012. Inclusion Criteria: Informed consent of the mother, age between 32-26 weeks and birth weight less than 1500 g.Exclusion Criteria: Neonates with severe asphyxia, malformations, cranial hemorrhage grade 3 or 4 infections at the onset or during the study and very ill newborns. In this experimental study, 69 infants will be selected and divided into three groups. Group I and Group II oral stimulation by breast-received by the pacifier in the morning and afternoon for 10 minutes. In the third group, who were selected as the control group, received no intervention. The growth parameters including weight, head circumference, weekly and daily until discharge is measured and recorded.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013120815458N2**
Registration date: **2014-01-03, 1392/10/13**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2014-01-03, 1392/10/13

Registrant information

Name

Rakhshane Goodarzi

Name of organization / entity

Hormozgan University of Medical Siences

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Hormozgan University of Medical Sciences

Expected recruitment start date

2012-06-09, 1391/03/20

Expected recruitment end date

2013-03-05, 1391/12/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effects of non-nutritive sucking and feeding in preterm infants growth,that admitted to Children's Hospital and Shariati in Bandar Abbas in 2012.

Public title

The effect of sucking in preterm infants without give milk that admitted to hospital

Purpose

Diagnostic

Inclusion/Exclusion criteria

Inclusion Criteria: Informed consent of the mother, age between 32-26 weeks and birth weight less than 1500 g. Exclusion Criteria: Neonates with severe asphyxia,

malformations, cranial hemorrhage grade 3 or 4 infections at the onset or during the study and very ill newborns

Age
To **1 year** old

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **69**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Single blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Hormozgan University of Medical Sciences

Street address
Shahid Chamran Blvd., beside the Governor

City
Bandarabbas

Postal code

Approval date
2013-08-12, 1392/05/21

Ethics committee reference number
HEC-92-5-21-2

Health conditions studied

1

Description of health condition studied
Development of feeding in preterm infants

ICD-10 code
P05-P08

ICD-10 code description
Disorders related to length of gestation and fetal growth

Primary outcomes

1

Description
Amount of weight infants

Timepoint
Daily after feeding the infant

Method of measurement
Rasa microbalance

2

Description
Head circumference

Timepoint
Weekly

Method of measurement
Centimeter

Secondary outcomes

1

Description
Duration of hospitalization

Timepoint
Admission until discharge

Method of measurement
daily

Intervention groups

1

Description
In interventional group: neonates stimulate every day, 2 times for 15 minutes for 10 days and the breastfeeding will be done free from milk or a pacifier. Until the start of oral feeding in preterm infants.Oral intake begin when neonates stable clinically and hemodynamically.Depending on the Physical conditions , oral feeding newborn will be done 20 ml per kilogram per day. Weight and head circumference will be measured at baseline. Then weekly head circumference and weight will be measured daily. Also at the time of discharge, head circumference, and weight will be recorded. Weight recorded by one person and used directly in the micro-balance RASA will be done. Weight and head circumference will be analyzed.

Category
Diagnosis

2

Description
In control group :neonates will not stimulate with the breastfeeding or pacifier .Oral intake begin when neonates stable clinically and hemodynamicallyDepending on the Physical conditions , oral feeding newborn will be done 20 ml per kilogram per day. Weight and head circumference will be measured at baseline. Then weekly head circumference and weight will be measured daily. Also at the time of discharge, head circumference, and weight will be recorded. Weight

recorded by one person and used directly in the micro-balance RASA will be done. Weight and head circumference will be analyzed.

Category

Diagnosis

Recruitment centers

1

Recruitment center

Name of recruitment center

Shariati hospital

Full name of responsible person

Street address

City

Bandar Abbas

2

Recruitment center

Name of recruitment center

Children's Hospital

Full name of responsible person

Street address

City

Bandar Abbas

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Hormozgan University of Medical Sciences

Full name of responsible person

Doctor Rakhshaneh Goodarzi

Street address

Golshahr, Children's Hospital of Bandar Abbas

City

Bandar Abbas

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Hormozgan 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

Hormozgan University of Medical Sciences

Full name of responsible person

Dr Rakhshaneh goodarzi

Position

Neonatologist, Academic staff

Other areas of specialty/work

Street address

Children's Hospital of Bandar Abbas,Golshahr

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Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Hormozgan University of Medical Sciences

Full name of responsible person

Dr Rakhshaneh goodarzi

Position

Neonatologist, Academic staff

Other areas of specialty/work

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Rgoodarzi@oldhums.ac.ir

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Hormozgan University of Medical Sciences

Full name of responsible person

Dr Rakhshaneh goodarzi

Position

Neonatologist, Academic staff

Other areas of specialty/work

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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