Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 2026

The Effect of Yaxon Touch on Pain Control and Weight gain in Premature Infants Hospitalized in Neonatal Intensive Care Unit

Protocol summary

Study aim

The Effect of Yaxon Touch on Pain Control and Weight gain in Premature Infants Hospitalized in Neonatal Intensive Care Unit

Design

This classical experimental study will be performed on two neonates of Taleghani Hospital in Gonabad, Iran. The infants were divided into two equal groups: the Jackson and the control groups. The researcher will be responsible for weight measurement and pain control. This study was randomly selected from preterm infants referred to Taleghani Children's Medical Center.

Settings and conduct

This classical experimental study will be performed on two neonates of Taleghani Hospital in Gonabad, Iran. The infants were divided into two equal groups: the Jackson and the control groups.Parents of preterm infants were told that the study was voluntary and that they could exclude their infants at any stage of the study. Touch is the first sensory system to evolve and form the basis of interactions between infants and nurses. Jackson is a traditional Korean touch therapy used to treat and relieve fatigue. The yaxon protocol has key traditional aspects - including warm hands, gentle non-pressure touch and gentle hand movement - which is suitable for premature infants.In the Jackson touch the non-dominant hand behind the baby and the dominant hand are placed on the baby's chest and abdomen. The Jackson touch is performed by the researcher for 15 minutes once each morning (11-9am) for 5 consecutive days.

Participants/Inclusion and exclusion criteria

Premature infants without congenital defects.

Intervention groups

The intervention in this study is a kind of Jackson touch To evaluate its effectiveness on weight gain and pain control in neonates.Yaxson is a Korean massage. The control group receives the services routinely.

Main outcome variables

yaxon touch on pain control in preterm infants. yaxon touch on weight gain in preterm infants.

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20200130046304N1**
Registration date: **2020-04-13, 1399/01/25**
Registration timing: **retrospective**

Last update: **2020-04-13, 1399/01/25**
Update count: **0**

Registration date

2020-04-13, 1399/01/25

Registrant information

Name

nastaran semnani

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 17 3322 3545

Email address

nastaran.semnani45@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-07-23, 1398/05/01

Expected recruitment end date

2020-02-18, 1398/11/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title
The Effect of Yaxon Touch on Pain Control and Weight gain in Premature Infants Hospitalized in Neonatal Intensive Care Unit

Public title
The Effect of Yaxon Touch on Pain Control and Weight gain in Premature Infants Hospitalized in Neonatal Intensive Care Unit

Purpose
Supportive

Inclusion/Exclusion criteria

Inclusion criteria:
- Premature infants 32-37 weeks hospitalized in Taleghani Pediatric Hospital, Gonbad. - infants not connected to the ventilator. Children whose legal guardian has given written consent to participate in the study The baby is not infected with other chronic diseases that the study protocol causes further damage to the baby Infants over seven days old.

Exclusion criteria:
-Family's willingness to research for whatever reason. Baby death Early discharge of the baby Changes in any general condition of the baby Need for surgery.

Age
From **7 days** old to **1 month** old

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **80**

Randomization (investigator's opinion)
Not randomized

Randomization description

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 chalos University of Medical Sciences

Street address
University Boulevard, Golestan, Aliabad, Iran

City
Ali abad

Province
Golestan

Postal code
49717-83897

Approval date
2019-08-06, 1398/05/15

Ethics committee reference number
IR.IAU.CHALUS.REC.1398.016

Health conditions studied

1

Description of health condition studied
Premature infants

ICD-10 code
p07.3

ICD-10 code description
Preterm [premature] newborn [other]

Primary outcomes

1

Description
neonatal pain control

Timepoint
5 day

Method of measurement
The tool used in this study to record the information will be a checklist for recording the outcomes of the NIPS pain management questionnaire.

2

Description
Weight gain in newborns

Timepoint
5day

Method of measurement
In both groups, the baby's weight will be measured using the scale-LAIKA- with a measurement accuracy of 5 grams.

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: The Jackson protocol used in this study combines the following procedures: 1. After wearing a clean gauze, your hands and arms will be completely covered with antimicrobial detergents for 3 minutes. Warm up with Warmer to reach 34 degrees Celsius.3-The researcher presses both arms and muscles of both shoulders for one minute to concentrate the vital

energy of the palms.4-The researcher touches Jackson Premature baby supplies. Jackson's touch lasts for 15 minutes: 5 minutes of hand rest and 5 minutes of gentle stroking and 5 minutes of rest again. The researcher's fingers will be in constant touch with the baby so that the baby will not feel pressure.1-Hand Rest -5 Minutes: While one hand rests on the chest and abdomen of the preterm infant, the back of the preterm infant is supported with the other, the researcher concentrates energy on her resting hands with deep breaths During this time, the researcher slowly breathed in to keep calm2-gentle stroke (5 minutes): Researcher repeated hand and stroke for 5 minutes in the same position: stroking (1 minute) -setting (30 seconds) -setting (1 minute) -setting (30 seconds) -setting (2 minutes). The abdomen and chest researcher pats the baby clockwise in a circular motion 1 cm in diameter every 10 seconds.3-Resting the hand (5 minutes): The researcher rests the hand as if The above described will follow. The Jackson touch will be performed by the researcher once each morning (11-9am) and for 5 consecutive days

Category
Other

2

Description
Control group: Routine work is done.

Category
Other

Recruitment centers

1

Recruitment center

Name of recruitment center
Talghani Hospital

Full name of responsible person
Nastaran Semnani

Street address
Street Talghani

City
Gonbad kavos

Province
Golestan

Postal code
49717-83897

Phone
+98 17 3322 3545

Email
nastaran.semnani45@gmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Islamic Azad University

Full name of responsible person
Hamid Hojati

Street address
Street Daneshgah

City
Ali Abad

Province
Golestan

Postal code
49717-83897

Phone
+98 17 3322 3545

Email
h_hojjati1362@yahoo.com

Web page address
http://edu.aliabadiau.ac.ir/

Grant name
-

Grant code / Reference number
0

Is the source of funding the same sponsor organization/entity?
No

Title of funding source
Azad University of Abad

Proportion provided by this source
100

Public or private sector
Private

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
Islamic Azad University

Full name of responsible person
Nastaran Semnani

Position
Nurse

Latest degree
Bachelor

Other areas of specialty/work
Nursery

Street address
Alavi

City
Gonbad

Province
Golestan

Postal code
49717-83897

Phone
+98 17 3322 3545

Fax

Email
nastaran.semnani45@gmail.com

Person responsible for scientific inquiries

Contact

Name of organization / entity
Islamic Azad University

Full name of responsible person
Nastaran Semnani

Position
Nurse

Latest degree
Bachelor

Other areas of specialty/work
Nursery

Street address
Alavi

City
Gonbad

Province
Golestan

Postal code
49717-83897

Phone
+98 17 3322 3545

Fax

Email
nastaran.semnani45@gmail.com

Person responsible for updating data

Contact

Name of organization / entity
Islamic Azad University

Full name of responsible person
Nastaran Semnani

Position
Nurse

Latest degree
Bachelor

Other areas of specialty/work
Nursery

Street address
Street 7 Alavi

City
Gonbad kavos

Province
Golestan

Postal code
49717-83897

Phone
+98 17 3322 3545

Email
nastaran.semnani45@gmail.com

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
Yes - There is a plan to make this available

Statistical Analysis Plan
Yes - There is a plan to make this available

Informed Consent Form
No - There is not a plan to make this available

Clinical Study Report
Yes - There is a plan to make this available

Analytic Code
No - There is not a plan to make this available

Data Dictionary
No - There is not a plan to make this available

Title and more details about the data/document
All potential data can be shared after unidentifiable people

When the data will become available and for how long
6 months after printing the results

To whom data/document is available
All researchers

Under which criteria data/document could be used
For further research

From where data/document is obtainable
nastaran.semnani45@gmail.com

What processes are involved for a request to access data/document
By sending an email to the address above. It will be answered within at least one week

Comments
1