Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Sep 2026

The Effect of Holy Quran Recitation on physiological indicators related to venipuncture pain on hospitalized premature infants in the NICU

Protocol summary

Summary

Objective: To investigate the effect of Holy Quran on physiological indicators of pain caused by venipuncture on preterm infants in the NICU. Inclusion Criteria Consisting of: Newborn babies weighing 1500 to 2500 g, Gestational age at birth at 29 weeks and a maximum of 36 weeks and Needing to the Venipuncture. Exclusion criteria: Infants during the study of abnormal physiological responses such as heart rate greater than 200 or less than 80% reduction in blood oxygen saturation to show, Any problem in registration of physiological responses. In this double-blind study that both participants and researchers who will registrar signs are unaware from type of intervention, 48 infants were randomly assigned eligible in both test and control (Mode A control group and Mode B test group) will be. The test group consisted of Surah Yasin and verses 1-67 Quran recitation Surah Rahman Saad Al-Ghamdi master the sound will be play by MP3 Player with Headphones. Quran recitation will play 5 minutes before Venipuncture and will continue to 10 minutes after Venipuncture. signs registraration for each group 10 minutes before to 20 minutes after Venipuncture every 5 minutes for 30 minutes will be continue.All procedures were performed in the control group except Quran recitation. Expected outcomes include decreased heart rate and respiratory rate And increasing the percentage of arterial oxygen saturation.

General information

Acronym

The effect of holy Quran Recitation on venipuncture pain in premature infants

IRCT registration information

IRCT registration number: **IRCT2014112320053N1**
Registration date: **2015-04-16, 1394/01/27**
Registration timing: **prospective**
Last update:
Update count: **0**

Registration date

2015-04-16, 1394/01/27

Registrant information

Name

Narges Majidipour

Name of organization / entity

Dezful University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

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Email address

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Recruitment status

Recruitment complete

Funding source

Research Deputy of Dezful University of Medical Sciences

Expected recruitment start date

2015-04-21, 1394/02/01

Expected recruitment end date

2015-10-02, 1394/07/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Effect of Holy Quran Recitation on physiological indicators related to venipuncture pain on hospitalized premature infants in the NICU

Public title

The effect of Holy Quran Recitation on Venipuncture pain in preterm infants

Purpose

Other

Inclusion/Exclusion criteria

Inclusion Criteria Consist of: 1500 to 2500 grams of weight to be; Gestational age at birth At least 29 weeks and a maximum of 36 weeks; The auditory system is intact; Need to venipuncture. Exclusion Criteria: Babies with abnormal physiological responses during the study Such as heart rate greater than 200 Or decrease in blood oxygen saturation less than 80% of the show; Any problems in registration of physiological responses; needs to any Medical or Nursing intervention, Including ventilator connected Or need to have sedative Or venipuncture is not done by once try.

Age

From **1 day** old to **7 days** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **48**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Dezful University of Medical Sciences

Street address

Next The Police Department, Azadegan Blv, Dezful

City

Dezful

Postal code

6461653476

Approval date

2014-06-01, 1393/03/11

Ethics committee reference number

DUR-130

Health conditions studied

1

Description of health condition studied

Hospitalized premature infants in the NICU

ICD-10 code

P07.3

ICD-10 code description

Other preterm infants

Primary outcomes

1

Description

Respiration Rate

Timepoint

Ten and five minutes before, during venipuncture, five, ten, fifteen and twenty minutes after venipuncture

Method of measurement

Monitoring

2

Description

Heart Rate

Timepoint

Ten and five minutes before, during venipuncture, five, ten, fifteen and twenty minutes after venipuncture

Method of measurement

Monitoring

3

Description

O2 Saturation

Timepoint

Ten and five minutes before, during venipuncture, five, ten, fifteen and twenty minutes after venipuncture

Method of measurement

Monitoring

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: In the intervention group holly Quran recitation consisted of Surah Yasin and verses 1 to 67 of Surah Arrahman with the voice of Professor Saad Al-Ghamdi using small headphones with 50 to 60 dB will be broadcast.

Category

Treatment - Other

2

Description

Control group: In the control group for adjusting for confounding headphones, the handset will be put for

babies, but the audio will not broadcast it.

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Neonatal Intensive Care Unit of Dezful Large Hospital

Full name of responsible person

Narges Majidipour

Street address

No 134, Farhang 18 sharghi between honar 7 and 9, Farhang shahr

City

Dezful

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Dezful University of Medical Sciences

Full name of responsible person

Fereydoun Niroozad

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Dezful University of Medical Scienses, Next The Police Department, Azadegan blv, Dezful

City

Dezful

Grant name

معاونت پژوهشی

Grant code / Reference number

DUR-130

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

Yes

Title of funding source

Dezful 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

Dezful University of Medical Sciences

Full name of responsible person

Narges Majidipour

Position

MS in Neonatal Intensive Care Nursing, Faculty member of Dezful University of Medical Sciences

Other areas of specialty/work

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Position

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Other areas of specialty/work

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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