Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

Effect of hegu point Acupressure on intensity of pain due of Phlebotomy in children with thalassemia Kerman Medical Center Samen Al hojaj.

Protocol summary

Summary

This clinical trial study is of single -blind two-group type, which with aim research effect of hegu point Acupressure on severity of venipuncture pain. Inclusion criteria included Thalassemic children aged 6-12 and patient’s willingness to participate in the study; However, children with physical problems (verbal, mental, visual and auditory); medication to reduce pain for up to 8 hours prior to venipuncture; penetration of more than one catheter into the skin,; prolonged duration of catheter insertion (over a minute) were excluded from the study. The study population was all school-age children referring to Kerman Samenolhojaj Medical Center. 86 children were selected using stratified random sampling method; they were placed into two experimental (hegu point Acupressure) and control groups. Data was collected using a questionairer about the child's demographic information and Flacc behavioral pain scale.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014071717941N3**
Registration date: **2014-10-26, 1393/08/04**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2014-10-26, 1393/08/04

Registrant information

Name

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Name of organization / entity

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Recruitment status

Recruitment complete

Funding source

Kerman University of Medical Sciences

Expected recruitment start date

2014-09-06, 1393/06/15

Expected recruitment end date

2014-10-21, 1393/07/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of hegu point Acupressure on intensity of pain due of Phlebotomy in children with thalassemia Kerman Medical Center Samen Al hojaj.

Public title

Effect of hegu point Acupressure on intensity of pain due of Phlebotomy

Purpose

Diagnostic

Inclusion/Exclusion criteria

This clinical trial study is of single -blind and two-group type, which with aim research effect of hegu point Acupressure on severity of venipuncture pain. Inclusion criteria included Thalassemic children aged 6-12 and patient’s willingness to participate in the study; However, children with physical problems (verbal, mental, visual and auditory); medication to reduce pain for up to 8 hours prior to venipuncture; penetration of more than

one catheter into the skin,; prolonged duration of catheter insertion (over a minute) were excluded from the study. The study population was all school-age children referring to Kerman Samenolhojaj Medical Center. 86 children were selected using stratified random sampling method; they were placed into two experimental (hegu point Acupressure For 5 minutes) and control groups (No intervention was done). Data was collected using a questionairer about the child's demographic information and Flacc behavioral pain scale.

Age
From **6 years** old to **12 years** old

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **86**

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
Kerman University of Medical Sciences

Street address
Cross Thmasabad, Kerman

City
Kerman

Postal code

Approval date
2014-10-07, 1393/07/15

Ethics committee reference number
93.213

Health conditions studied

1

Description of health condition studied
pain

ICD-10 code
R52.9

ICD-10 code description
Pain, unspecified

Primary outcomes

1

Description
pain

Timepoint
The beginning of the study

Method of measurement
Flacc behavioral pain scale

Secondary outcomes

empty

Intervention groups

1

Description
In the experimental group, With the thumb angle to the face fines , Hegu pressure point for about 5 minutes before entering penetrating IV between the thumb and fingers of the hand that venipuncture do not Rotating in a clockwise direction with moderate pressure massage Researcher (Scholars under the supervision of a person trained in this field point out how well trained massage). Accuracy of point of view, I agree that it's a feeling of heaviness, swelling, or numbness of an. Each time, maximum pressure was for one minute, and massage was stopped for 10 seconds. This intervention lasted for 5 minutes.

Category
Rehabilitation

2

Description
In the control group, did not intervene, and vienpuncture the usual method was to do section.

Category
Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center
Samen Alhjj Kerman Medical Center

Full name of responsible person
Mrs Farahbakhsh

Street address
ST Khorshid, Kerman

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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Kerman University Medical Science
Full name of responsible person
Farokh Abazari
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Nursing and Midwifery Faculty Razi
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Kerman
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Kerman University Medical Science
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

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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