Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Sep 2026

Effect of Swedish Massage Versus Touch on pain during venipuncture in school age children in pediatric emergency department

Protocol summary

Summary

The purpose of the study was to investigate the effect of Swedish Massage Versus Touch on pain during venipuncture in school age children in pediatric emergency department. Eligible criteria school age children (children ages 12-6 years old; willingness to cooperate in investigation; Lack acute pain during venipuncture; consciousness of time and place and person; Lack of narcotic addiction; Lack of cardiovascular disorders) that participants will selected using convenience sampling method and randomly divided into three groups (Swedish Massage, Touch and control). In intervention groups for 5 minutes intervention is done and immediately venipuncture is performed by nurse colleagues. In the control group, no specific action. Exclusion criteria: Resistance versus massage and touch; Having threatening emergency; Burns or damage skin in limb). Outcome: Effect of Swedish Massage Versus Touch on pain during venipuncture.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013053013524N1**
Registration date: **2014-02-23, 1392/12/04**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2014-02-23, 1392/12/04

Registrant information

Name

Ali Safari

Name of organization / entity

Mashhad Faculty Of Nursing and Midwifery

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Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Research Council of Mashhad University of Medical Sciences

Expected recruitment start date

2013-09-19, 1392/06/28

Expected recruitment end date

2013-11-19, 1392/08/28

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of Swedish Massage Versus Touch on pain during venipuncture in school age children in pediatric emergency department

Public title

Effect of Swedish Massage Versus Touch on pain during venipuncture

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion Criteria: willingness to cooperate in the investigation; children ages 12-6 years old; Lack acute pain during venipuncture; Skillful nurses in venipuncture, that confirmed the child as a person that more likely can take in first attempt his/her veins in the site; consciousness of time and place and person; Lack of mental retardation; Lack of narcotic addiction; Lack of

mask and no neurological damage such as facial nerve palsy; Lack of cardiovascular disorders; Lack of hypoxia; Lack of problem for massage and touch on skin surface (such as sore, burns on hands, infections, fraction of limb, etc); Lack of take effective medication on pain in 24 hours before venipuncture; Participation at least one parent or a member of family; Require hospitalization and intravenous line with prescription their physician; Lack of contraindications for massage, such as fever, thrombophlebitis, thrombocitopeni, edema, hypertension. Exclusion criteria: Failure in venipuncture first attempt; Resistance versus massage and touch; Having threatening emergency (shock, cardiac arrhythmia, etc); Burns or damage skin in limb; Lack of would to continue cooperation working in project.

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

Gender
Both

Phase
2

Groups that have been masked
No information

Sample size
Target sample size: **90**

Randomization (investigator's opinion)
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 Mashhad University Of Medical Sciences

Street address
Building Qureshi, Daneshgah Street, Mashhad.

City
Mashhad

Postal code

Approval date
2013-08-17, 1392/05/26

Ethics committee reference number
research/920160/1/110

Health conditions studied

1

Description of health condition studied
lack of special illness

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description
Intensity venipuncture pain

Timepoint
During intervention and period of 30 seconds to 300 seconds

Method of measurement
Faces pain scale

Secondary outcomes

1

Description
Pain during venipuncture

Timepoint
During intervention and period of 30 seconds to 300 seconds

Method of measurement
Faces pain scale

Intervention groups

1

Description
Hand and arm of venipuncture site in Swedish Massage group Massage is given for 5 minutes Immediately before venipuncture.

Category
Prevention

2

Description
Hand and arm of venipuncture site in touch group touch is given for 5 minutes immediately before venipuncture

Category
Prevention

3

Description
In the control group, no specific action

Category
N/A

Recruitment centers

1

Recruitment center

Name of recruitment center
Imam Reza Hospital
Full name of responsible person
Ali Safari
Street address
Avenue Ibn Sina, Imam Reza Square, Mashhad
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Mashhad

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice Chancellor for Research, Mashhad University of Medical Sciences
Full name of responsible person
Mohsen Tafaghodi
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Faculty of Nursing and Midwifery, Ebn-e Sina St, Doktora Crossing
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Grant name
گرانت پژوهشی
Grant code / Reference number
research/920160/1/110
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Vice Chancellor for Research, Mashhad 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

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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