

Clinical Trial Protocol

Iranian Registry of Clinical Trials

30 May 2026

Comparing the effects of EMLA cream with acupressure on vein puncture pain at 6 -12 year old in teaching hospital's of Rafsanjan University of Medical Science in 2013-2014

Protocol summary

Summary

1 -Objectives: Comparison of EMLA cream and acupressure intensity targets pain from venipuncture in children 12-6 years teaching hospital, Rafsanjan University of Medical Sciences in 2013- 2014. 2 - Design: Of this study 120 children 12-6 years old, according to the random block sampling, samples of EMLA cream group, acupressure and control will be placed. 3-Setting and conduct: How do the positions of the samples in each group Spelling creams, acupressure and control interventions require the vessel to be done and With Using demographic data, samples, and conduct a numerical scale to measure pain intensity during and after venipuncture will be used. 4-Participants including major eligibility criteria: being aware of the child; The child is not in an emergency situation (there is no urgent need for venipuncture); Venipuncture is the first child; Acupressure safe place (lack of scars, burns, cysts and abscesses at the site of acupressure. Exclusion criteria: allergy symptoms appearing lidocaine and Prilocaine (EMLA cream); taking sedatives or pain medications affecting making the vessel, reducing excessive waiting vital signs (blood pressure, bradycardia and Brad Pena). 5 -Intervention: If this entry is randomly using a random block in one of three groups (EMLA cream, Acupressure and control) will be placed.EMLA cream in cream arteries in a 45-minute stand-up and dressing is applied And considered according to the time remaining will then clean venipuncture. Acupressure acupressure intervention group also considered the And then will perform venipuncture. But the only way to control and routine venipuncture is performed Using demographic data, and conduct a numerical scale to measure pain intensity during and after venipuncture will be used. 6- Main outcome measures variables: in this study is venipuncture pain using a numeric scale of pain behaviors will be discussed.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014041817324N1**
Registration date: **2014-08-15, 1393/05/24**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2014-08-15, 1393/05/24

Registrant information

Name

Parisa Shah Mohammadi Pour

Name of organization / entity

Kerman University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 39 1522 7663

Email address

g_forooghameri@kmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Kerman University Of Medical Sciences

Expected recruitment start date

2014-06-22, 1393/04/01

Expected recruitment end date

2014-08-23, 1393/06/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparing the effects of EMLA cream with acupressure on vein puncture pain at 6 -12 year old in teaching hospital's of Rafsanjan University of Medical Science in 2013-2014

Public title

Comparing the effects of EMLA cream with acupressure on vein puncture pain at 6 -12 year old in teaching hospital's of Rafsanjan University of Medical Science in 2013-2014

Purpose

Other

Inclusion/Exclusion criteria

Inclusion criteria: Being aware of the child; The child is not in an emergency situation (there is no urgent need for venipuncture); Venipuncture is the first child; The vessel is taking place in the same group; Lack of sensitivity to lidocaine and Prilocaine (EMLA cream); Absence of any skin disease; Acupressure safe place (lack of scars, burns, cysts and abscesses at the site of acupressure); Full calm children before intervention researcher Exclusion criteria: Systemic skin diseases; The appearance of symptoms of allergy to lidocaine Prilocaine (EMLA cream); Taking sedatives or drugs affecting pain before venipuncture; Lower-than-expected vital signs (blood pressure, bradycardia and brady Pnea); Child has physical problems (verbal, mental, visual and auditory), Mental disorders and resist doing acupressure.

Age

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

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: **120**

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 Kerman University of Medical Sciences

Street address

Alavi Seven garden, Kerman Razi College of Nursing Midwifery

City

Kerman

Postal code

7616913555

Approval date

2014-05-19, 1393/02/29

Ethics committee reference number

9345

Health conditions studied**1****Description of health condition studied**

Intravenous therapy

ICD-10 code**ICD-10 code description****Primary outcomes****1****Description**

Pain

Timepoint

Immediately after the intervention.

Method of measurement

Numerical and behavioral pain scale.

Secondary outcomes**1****Description**

Have not

Timepoint

Have not

Method of measurement

Have not

Intervention groups**1****Description**

In this study, there is three groups: the first group of recive EMLA cream, second group acupressure and control group noreceive intervention.

Category

Other

2

Description

Groups receiving EMLA on the skin: Participants in the group for 45 minutes before venipuncture, EMLA cream on a weight basis (. /1 Kg and 10 cm of body surface area per gram) by the ruler approximately is calculated measures put in place on the vessel is covered with a semipermeable dressing. 45 minutes later and cream with cotton gauze removed from the site of pure alcohol and then use the tools to assess and record pain.

Category

Treatment - Drugs

3

Description

Groups receiving Acupressure: Acupressure take two steps within 30 minutes of acupressure group participants do. Movement of the thumb is used to rotate the whole hand and wrist, Finally, the pressure decreases and the quantity of motion is repeated again and the second time than the first time, the intensity of pressure is added. This is 7 times every 20 seconds is repeated for each of the palms of hands immediately after acupressure in palms, yin tang area) or the third eye between the eyebrows (the third eye to be rotated using the thumb and counter-clockwise for 5 minutes is pressed.

Category

Other

4

Description

The control group did not receive any intervention and routine will be executed.

Category

Treatment - Devices

Recruitment centers

1

Recruitment center

Name of recruitment center

Ali Ebne Abitaleb Teaching Hospital, Rafsanjan University of Medical Sciences

Full name of responsible person

Parisa. Shah Mohammadi Pour

Street address

Plaque 18, No. 23, Taleghani Street, Rafsanjan

City

Rafsanjan

2

Recruitment center

Name of recruitment center

Moradi Teaching Hospital, Rafsanjan University of Medical Sciences

Full name of responsible person

Parisa. Shah Mohammadi Pour

Street address

Plaque18, No 23, Taleghani street, Rafsanjan

City

Rafsanjan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Kerman University Of Medical Sciences

Full name of responsible person

Abbas. Pardakhti

Street address

Kerman, Islamic Republic of Iran Boulevard, the Central Organization of Kerman University of Medical Sciences

City

Kerman

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Vice chancellor for research, Kerman 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

Kerman University of Medical Sciences

Full name of responsible person

Parisa. Shah Mohammadi Pour

Position

Graduate student in nursing education

Other areas of specialty/work

Street address

Alavi seven gardens, pardizeh, Kerman College Nursing and Midwifery

City

Kerman

Postal code

7717663141

Phone

+98 39 1522 7663

Fax

+98 39 1522 8497

Email

pmohamadi91@yahoo.com

Web page address**Person responsible for scientific inquiries****Contact****Name of organization / entity**

Kerman University of Medical Sciences

Full name of responsible person

Parisa. Shah Mohammadi Pour

Position

Graduate student

Other areas of specialty/work**Street address**

Alavi seven gardens, pardizeh, Kerman College
Nursing and Midwifery

City

Kerman

Postal code

7717663141

Phone

+98 39152227663

Fax

+98 39 1522 8497

Email

pmohamadi91@yahoo.com

Web page address**Person responsible for updating data****Contact****Name of organization / entity**

Kerman University of Medical Sciences

Full name of responsible person

Parisa. Shah Mohammadi Pour

Position

Graduate student in nursing education

Other areas of specialty/work**Street address**

Alavi seven gardens, pardizeh, Kerman College
Nursing and Midwifery

City

Kerman

Postal code

7717663141

Phone

+98 39 1522 7663

Fax

+98 39 1522 8497

Email

pmohamadi91@yahoo.com

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