Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

The effect of massage therapy at Hugo point on venous catheter pain

Protocol summary

Study aim
Determining the effect of massage therapy at Hugo point on venous catheter entry pain

Design
How to select samples at random is simple; So that a set of 68 numbers are randomly selected and written; Then, each patient who entered the relevant sections according to the selected number, for example, enters the study. Then, they are randomly divided into two groups: Control group (34 people) 2. Intervention group (34 people).

Settings and conduct
The study will be performed with the participation of 68 people referring to the inpatient wards of Imam Khomeini Hospital in Ilam city. . Before the venous catheter is inserted, the site of the hand Hugo point from which the vein is to be removed is massaged in a circular motion, gently and at medium pressure. In all samples in the two groups studied, the angiocatheter used will be pink and number 20.

Participants/Inclusion and exclusion criteria
Inclusion criteria: the severity of pain due to which people have been referred to the hospital; Awareness of place, time and person; Ability to communicate and no psychological problems in the client. Exclusion criteria: unwillingness to cooperate; Lack of awareness of the client about the place, time and person; Use of pain relievers eight hours before the procedure for venipuncture, fractures and inflammation at the massage point

Intervention groups
Massage in the intervention group is performed for 3 minutes before and during the Hugo point venipuncture procedure. Hugo is a spot on the palm of the hand between the thumb and forefinger. Before the venous catheter is inserted, the site of the hand Hugo point from which the vein is to be removed is massaged in a circular motion, gently and at medium pressure.Transfusion in the control or control group will be performed in the usual way.

Main outcome variables
Reduction of pain caused by catheter insertion using Hugo point massage

General information

Reason for update
Acronym
IRCT registration information
IRCT registration number: **IRCT20211012052746N1**
Registration date: **2021-10-21, 1400/07/29**
Registration timing: **prospective**

Last update: **2021-10-21, 1400/07/29**
Update count: **0**

Registration date
2021-10-21, 1400/07/29

Registrant information
Name
Razyeh Valadbeigi
Name of organization / entity
Country
Iran (Islamic Republic of)
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+98 84 3222 9388
Email address
razyehvaladbeigi@gmail.com

Recruitment status
Recruitment complete
Funding source

Expected recruitment start date
2021-10-30, 1400/08/08
Expected recruitment end date
2022-04-22, 1401/02/02
Actual recruitment start date
empty
Actual recruitment end date
empty
Trial completion date

empty

Scientific title
The effect of massage therapy at Hugo point on venous catheter pain

Public title
The effect of massage therapy at Hugo point on venous catheter pain

Purpose
Supportive

Inclusion/Exclusion criteria

Inclusion criteria:
People are 18 to 75 years old The severity of the pain for which people have been referred to the hospital is less than 6 (moderate pain) according to the NRS Awareness of place, time and person; Ability to communicate and no psychological problems in the client.

Exclusion criteria:
Reluctance to cooperate Lack of awareness of the client to the place, time and person The client's pain for which he or she was referred to the hospital is greater than 6 according to the NRS Use of pain relievers eight hours before the transfusion procedure Fractures and inflammation at the massage point

Age
From **18 years** old to **75 years** old

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **68**

Randomization (investigator's opinion)
Randomized

Randomization description
How to select samples for 68 people is a simple randomization method by drawing lots; first I write the number of beds in that section on each card and then we put the cards in a box and mix them together and after adding all the cards in the box, half of the cards are randomly taken out. Then, each patient that belongs to the selected number in the lottery list is entered into the study as a sample. Sampling in this study is without substitution. The unit of randomization is individual. Individuals included in the study are randomly divided into two groups: Control group (34 people) 2. Intervention group (34 people). In this grouping, it is tried that the people of the two groups are selected in terms of factors such as age and the same sex. In this research, no concealment has been done.

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 Ilam University of Medical Sciences

Street address
Janbazan_Malek Al-Sho'ra Street_Angle of the Martyrs of Momeni Alley

City
Ilam

Province
Ilam

Postal code
6931175371

Approval date
2021-10-11, 1400/07/19

Ethics committee reference number
IR.MEDILAM.REC.1400.141

Health conditions studied

1

Description of health condition studied
Pain

ICD-10 code
G89

ICD-10 code description
Pain, not elsewhere classified

Primary outcomes

1

Description
Intravenous catheter entry pain

Timepoint
3 minutes during and before the venipuncture procedure

Method of measurement
NRS numerical rating scale

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: In the intervention group, massage is performed for 3 minutes before and during the venipuncture procedure at Hugo point. Hugo is a spot on the palm of the hand between the thumb and forefinger. Before the venous catheter is inserted, the site of the

hand Hugo point from which the vein is to be removed is massaged in a circular, gentle, medium-pressure manner. In all samples in the two study groups, the angiocatheter used will be pink and number 20. The scale for measuring pain in this study will be the use of the NRS numerical scale. On this scale, a person rates their pain using a scale of 0 to 10. Zero means painless and 10 means the worst pain situation: 0: no pain; 1-2-3: mild pain; 4-5-6: moderate to moderate pain; 7-8-9-10: Severe pain is considered.

Category

Prevention

2

Description

Control group: In this group, the venipuncture department will be performed in the usual way and no intervention will be done for this group

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Khomeini Hospital

Full name of responsible person

Razyeh Valadbeigi

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Janbazan_Malek Al-Sho'ra Street_Angle of Momeni Martyrs Alley

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razyehvaladbeigi@gmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Ilam University of Medical Sciences

Full name of responsible person

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Grant name

Grant code / Reference number

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

Yes

Title of funding source

Ilam University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

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

Ilam University of Medical Sciences

Full name of responsible person

Razyeh Valadbeigi

Position

Student

Latest degree

Bachelor

Other areas of specialty/work

Nursery

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Ilam University of Medical Sciences

Full name of responsible person

Razyeh Valadbeigi

Position

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Latest degree
Bachelor
Other areas of specialty/work
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Person responsible for updating data

Contact
Name of organization / entity
Ilam University of Medical Sciences
Full name of responsible person
Razyeh Valadbeigi
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Sharing plan

Deidentified Individual Participant Data Set (IPD)
Yes - There is a plan to make this available
Study Protocol
Undecided - It is not yet known if there will be a plan to make this available
Statistical Analysis Plan
Undecided - It is not yet known if there will be a plan to make this available
Informed Consent Form
Undecided - It is not yet known if there will be a plan to make this available
Clinical Study Report
Undecided - It is not yet known if there will be a plan to make this available
Analytic Code
Undecided - It is not yet known if there will be a plan to make this available
Data Dictionary
Undecided - It is not yet known if there will be a plan to make this available
Title and more details about the data/document
The present study is a clinical trial study that will be performed with the participation of 68 people referring to the inpatient wards of Imam Khomeini Hospital in Ilam. They are randomly selected and written; then, each patient who entered the relevant sections according to the selected number, for example, is included in the study. Then, they are randomly classified into two groups. وند Become: 1. Control group (34 people) 2. Intervention group (34 people).
When the data will become available and for how long
Sample takes place from 1400/8/8 to 1401/2/2
To whom data/document is available
The data will be available to researchers working in academic and scientific institutions, people working in industry and research students
Under which criteria data/document could be used
Inclusion criteria: people aged 18 to 75 years; The severity of the pain for which people have been referred to the hospital is less than 6 (moderate pain) according to the NRS; Awareness of place, time and person; Ability to communicate and no psychological problems in the client. Exclusion criteria: unwillingness to cooperate; Lack of awareness of the client about the place, time and person; The client's pain for which he or she was referred to the hospital is greater than 6 according to the NRS; Use of pain relievers eight hours before the procedure for venipuncture, fractures and inflammation at the massage point
From where data/document is obtainable
Via email razyehvaladbeigi@gmail.com or postal address of Ilam _Janbazan neighborhood. Malek Shoara Street, corner of Shohada Momeni alley
What processes are involved for a request to access data/document
Duration seven days to fourteen days
Comments