Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 2026

Effect of acupressure (UB32) on pain intensity in intramuscular injections in women referring to emergency department

Protocol summary

Summary

This study was performed to determine the effect of acupressure on the pain of intramuscular injection among women referring to Emergency ward of state hospital of Ilam city, Iran. This was a single blinded study and 150 participants (75 in normal injection group and 75 in acupressure group) were studied. Inclusion criteria: 1- age between 15-55 years old; 2- female gender; 3-no history of IM injection during 2 weeks ago. Exclusion criteria: 1- patients who have other drugs simultaneously; 2- patients who have frequent injections. In normal injection group, the injection was done in the normal way and in the acupressure group it was done after applying pressure in the injection area for one minute. Then using Visual Analog Scale (VAS) the rate of pain was evaluated in two groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201207236790N2**
Registration date: **2012-08-04, 1391/05/14**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2012-08-04, 1391/05/14

Registrant information

Name
Zainab Suhrabi
Name of organization / entity
Ilam University of Medical Sciences
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Iran (Islamic Republic of)
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+98 84 1222 7123
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suhrabi-z@medilam.ac.ir

Recruitment status

Recruitment complete

Funding source
Vice chancellor for research and technology, Ilam University of Medical Sciences

Expected recruitment start date

2009-04-03, 1388/01/14

Expected recruitment end date

2009-09-23, 1388/07/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of acupressure (UB32) on pain intensity in intramuscular injections in women referring to emergency department

Public title

Effect of acupressure (UB32) on pain intensity in intramuscular injections in women referring to emergency department

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: 1- age between 15-55 years old; 2- female gender; 3-no history of IM injection during 2 weeks ago. Exclusion criteria: 1- patients who have other drugs simultaneously. 2- Patients who have frequent injections.

Age

From **15 years** old to **55 years** old

Gender

Female

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **150**
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
Ilam University of Medical Sciences
Street address
Banganjab, Pajohesh Blvd
City
Ilam
Postal code
Approval date
2008-10-11, 1387/07/20
Ethics committee reference number
5195/40/22

Health conditions studied

1

Description of health condition studied
pain
ICD-10 code
M79.6
ICD-10 code description
Pain in limb

Primary outcomes

1

Description
pain sevirity
Timepoint
immediatly post injection
Method of measurement
visual analoue scale

Secondary outcomes

empty

Intervention groups

1

Description
In acupressure group, UB32 point pressure by hand palm as circle then by thumb 3 times, after that the drug was injected.
Category
Prevention

2

Description
In control group the drug was injected routinely.
Category
N/A

Recruitment centers

1

Recruitment center
Name of recruitment center
Shahid Mostafa Khomaini hospital
Full name of responsible person
Zainab Suhrabi
Street address
Banganjab, Pajohesh Blvd.
City
Ilam

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Ilam University of Medical Sciences
Full name of responsible person
Dr. Morvat Taheri Kalani, Vice chancellor for research and technology of Ilam University of Medical
Street address
Banganjab, Pajohesh Blvd.
City
Ilam
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
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

Ilam University of Medical Sciences

Full name of responsible person

Zainab Suhrabi

Position

master/ faculty member

Other areas of specialty/work

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Phone

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Email

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