

Clinical Trial Protocol

Iranian Registry of Clinical Trials

13 Jun 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

Country

Iran (Islamic Republic of)

Phone

+98 84 1222 7123

Email address

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 severity

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
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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