

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

Effect of acupressure on pain severity of patients during taking sample of blood vein.

Protocol summary

Summary

Aim of this study is survey effect of acupressure on pain of needling. Patients who referred to laboratory examination are selected in this study. Inclusion criteria includes age between 30-50 years old, fasting, needling in right arm. Exclusion criteria includes having diabetes, addiction, arteriovenous fistula, and having any barrier for placement the wrist band of acupressure. These patients randomly allocated in three groups (Routine, Test and Placebo). Patients in routine group will not receive any intervention. Patients in test group will receive acupressure in 9th spot of pulmonary meridian, between radius and scaphoid bones, 3 minutes before needling by a wrist band. For patients in placebo group wrist band will be used reversely. Pain severity of patients related to needling will be measured with Visual Analog Scale (VAS) and compare in three groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201412046481N6**
Registration date: **2014-12-13, 1393/09/22**
Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2014-12-13, 1393/09/22

Registrant information

Name

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Name of organization / entity

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Recruitment status

Recruitment complete

Funding source

Semnan University of Medical Sciences

Expected recruitment start date

2015-01-21, 1393/11/01

Expected recruitment end date

2016-01-21, 1394/11/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of acupressure on pain severity of patients during taking sample of blood vein.

Public title

Acupressure on pain of needle in vein puncture.

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria includes: Literate; Taking sample in forearm of right hand. Exclusion criteria includes: Peripheral neuropathy; Diabetes; Addicted; Needling more than one time; Eczema and infection on the site of acupressure; Coagulopathy; Taking sedatives (topical or systemic); Pain in site of needling before intervention; Arteriovenous fistula

Age

From **30 years** old to **50 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 90

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Semnan University of Medical Sciences

Street address

Semnan University of Medical Sciences, Basij avenue

City

Semnan

Postal code

Approval date

2014-11-25, 1393/09/04

Ethics committee reference number

529068/93

Health conditions studied

1

Description of health condition studied

Pain reliefe

ICD-10 code

R52.9

ICD-10 code description

Pain, unspecified

Primary outcomes

1

Description

Pain

Timepoint

Immediate after needling

Method of measurement

Visual Analog Scale

Secondary outcomes

1

Description

-

Timepoint

-

Method of measurement

-

Intervention groups

1

Description

Routine group: without any intervention

Category

Other

2

Description

Test group: acupressure with wrist band

Category

Other

3

Description

Placebo group: use of wrist band reversely

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Semnan University of Medical Sciences

Full name of responsible person

Dr. Mohsen Soleimani

Street address

Nursing Faculty and Allied Heath, Semnan University of Medical Sciences, Semnan.

City

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Semnan University of Medical Sciences

Full name of responsible person

Dr. Ali Rashidipoor

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Semnan University of Medical Sciences, Basij avenue, Semnan.

City

Semnan
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Semnan 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