Clinical Trial Protocol
Iranian Registry of Clinical Trials

09 Nov 2026

The effect of acupressure on severity of chest pain in patients with unstable angina

Protocol summary

Summary

Objective: determining the effect of acupressure on chest pain severity in patients with unstable angina Study design: randomized Main inclusion criteria: the first time of unstable angina; communication ability Main exclusion criteria: previous history of acupuncture and acupressure; addiction; having cutaneous lesion on acupressure points; diabetes disease Sample size: 80 Interventions: acupressure on pc4 and pc6 points Intervention time: 5 minutes Study outcome: chest pain severity Method: for performing the study, the research samples placed randomized to one of following group. First group:at the same time applying pressure on true pc4 and false pc6 acupressure points. Second group: at the same time applying pressure on true pc6 and false pc4 acupressure points.Third group: at the same time applying pressure on true pc4 and pc6 acupressure points. Fourth group: at the same time applying pressure on false pc4 and pc6 points. Before of intervention the chest pain severity measure by visual analog scale, then 5 minute after applying intervention, chest pain re measured. Finally the data analyzed.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201402205134N8**
Registration date: **2014-04-06, 1393/01/17**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2014-04-06, 1393/01/17

Registrant information

Name

Ali Fakhr-Movahedi

Name of organization / entity

Country

Iran (Islamic Republic of)

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+98 23 3365 4192

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Alimovi49@semums.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice President for research and technology of Semnan University of medical sciences

Expected recruitment start date

2014-03-26, 1393/01/06

Expected recruitment end date

2014-08-28, 1393/06/06

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of acupressure on severity of chest pain in patients with unstable angina

Public title

Effect of acupressure on chest pain

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: the first time of unstable angina; communication ability Exclusion criteria: previous history of acupuncture and acupressure; addiction; having cutaneous lesion on acupressure points; diabetes disease

Age

From **30 years** old to **85 years** old

Gender
Both

Phase
2
Groups that have been masked
No information
Sample size
Target sample size: **80**
Randomization (investigator's opinion)
Randomized
Randomization description
Blinding (investigator's opinion)
Not blinded
Blinding description
Placebo
Used
Assignment
Factorial
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Ethical commitee of Semnan university of medical sciences, Vice chancellor for research and technolo
Street address
The central headquarters of Semnan University of medical sciences, Vice President for research and technology, Basij Blvd
City
Semnan
Postal code
Approval date
2014-02-19, 1392/11/30
Ethics committee reference number
92/408076

Health conditions studied

1

Description of health condition studied
unstable angina
ICD-10 code
120.0
ICD-10 code description
I20.0 Unstable angina Angina: crescendo de novo effort worsening effort Intermediate coronary syndrome Preinfarction syndrome

Primary outcomes

1

Description
Chest pain severity
Timepoint
Before of intervention, 5 minute after intervention
Method of measurement
Visual analog scale of pain

Secondary outcomes

empty

Intervention groups

1

Description
Group 4: at the same time applying pressure on false pc4 and pc6 points
Category
Other

2

Description
Group 1: at the same time applying pressure on true pc4 and false pc6 acupressure points
Category
Other

3

Description
Group 2: at the same time applying pressure on true pc6 and false pc4 acupressure points
Category
Other

4

Description
Group 3: at the same time applying pressure on true pc4 and pc6 acupressure points
Category
Other

Recruitment centers

1

Recruitment center
Name of recruitment center
Varamin Shahid Mofatteh Hospital
Full name of responsible person
Dr. Abdolrahman e Shiri
Street address
Razi Sq. Imam Reza Bvld.
City
Varamin

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice President for research and technology of Seman University of medical sciences
Full name of responsible person
Dr. Raheb Ghorbani
Street address
The central headquarters of Semnan University of medical sciences, Vice President for research and technology, Basij Bvld
City
Semnan
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Vice President for research and technology of Seman 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
Semnan University of medical sciences
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Fax
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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