

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

20 Jul 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)

**Phone**

+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 committee of Semnan university of medical sciences, Vice chancellor for research and technology

**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**

I20.0

**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 acupuncture points

**Category**

Other

**3****Description**

Group 2: at the same time applying pressure on true pc6 and false pc4 acupuncture points

**Category**

Other

**4****Description**

Group 3: at the same time applying pressure on true pc4 and pc6 acupuncture 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 Blvd.

**City**

Varamin

## Sponsors / Funding sources

1

### Sponsor

**Name of organization / entity**

Vice President for research and technology of Semnan 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 Blvd

**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 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

**Contact****Name of organization / entity**

Semnan University of medical sciences

**Full name of responsible person**

Ali Fakhr-Movahedi

**Position**

Faculty member, Assistan professor

**Other areas of specialty/work****Street address**

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## inquiries

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## Person responsible for updating data

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PhD, Assistant professor

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**Fax****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*