

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

31 May 2026

### Efficiency of applying P6 acupressure on nausea , vomiting and comfort in myocardial infarction patients in cardiovascular Farshchian hospital in Hamadan in 2020

#### Protocol summary

##### Study aim

The aim of study is determine the effect of applying P6 acupressure on nausea , vomiting and comfort in myocardial infarction patients in cardiovascular Farshchian hospital in Hamadan in 2020

##### Design

The present study in Farshchian Hospital of Hamadan will be performed on 81 patients with cardiac infarction in three groups (intervention, placebo and control). Sampling will be done by simple randomization. Visual analog scales will be used to assess the severity of nausea.

##### Settings and conduct

In the intervention group(A), the bracelet will be closed for 6 hours with the aim of applying pressure to the p6 point. Vomiting will be checked within 24 hours after the intervention.

##### Participants/Inclusion and exclusion criteria

Inclusion criteria: Age between 35 and 70 years, Having nausea and vomiting, Absence of physical and skin disorders, Full awareness

##### Intervention groups

In the intervention group, the bracelet will be closed for 6 hours for pressing the p6 point. Group (B) Placebo: In this group, the researcher determines the point p6, which is located on the inside of the forearm and in the cavity between the bones of the forearms, three fingers wide above the wrist fold, and in the left hand (single-handed) Close the bracelet without the push of a button for 6 hours. Control group (C): No bracelets are used for them in this group.

##### Main outcome variables

Nausea and vomiting

#### General information

##### Reason for update

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT20160110025929N30**  
Registration date: **2020-07-06, 1399/04/16**  
Registration timing: **registered\_while\_recruiting**

Last update: **2020-07-06, 1399/04/16**

Update count: **0**

##### Registration date

2020-07-06, 1399/04/16

##### Registrant information

###### Name

Mehdi Molavi Vardanjani

###### Name of organization / entity

###### Country

Iran (Islamic Republic of)

###### Phone

+98 81 3422 5056

###### Email address

m.molavi@umsha.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

##### Expected recruitment start date

2020-05-21, 1399/03/01

##### Expected recruitment end date

2021-05-22, 1400/03/01

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Efficiency of applying P6 acupressure on nausea ,

vomiting and comfort in myocardial infarction patients in cardiovascular Farshchian hospital in Hamadan in 2020

#### Public title

Efficiency of applying P6 acupressure on nausea , vomiting and comfort

#### Purpose

Treatment

#### Inclusion/Exclusion criteria

##### Inclusion criteria:

Full awareness Having nausea and vomiting Age between 35 and 70 years

##### Exclusion criteria:

Unwilling to participation in the study Physical and skin disorders Decreased consciousness, acute delirium

#### Age

From **35 years** old to **70 years** old

#### Gender

Both

#### Phase

N/A

#### Groups that have been masked

- Participant

#### Sample size

Target sample size: **81**

#### Randomization (investigator's opinion)

Randomized

#### Randomization description

The randomization method used for this study is blocked randomization. Blocks containing 6 patients are made for allocating patients to 3 treatment options of A, B and C. Blocks in 3 types of sequences (AABBCC, ABCABC, CABABC) and 3 of each (total of 9 blocks) are used. To randomly assigning blocks, a simple random sequence is used. No other method of stratified randomization is utilized.

#### Blinding (investigator's opinion)

Single blinded

#### Blinding description

In the present study, placebo in group B will be used so these participants will be blind.

#### Placebo

Used

#### Assignment

Parallel

#### Other design features

### Secondary Ids

empty

### Ethics committees

#### 1

##### Ethics committee

###### Name of ethics committee

Ethics Committee of Hamadan University of Medical Sciences

###### Street address

Shahid Fahmideh St., Hamadan University of Medical

Sciences, Hamadan

#### City

Hamadan

#### Province

Hamadan

#### Postal code

38698-65178

#### Approval date

2020-01-24, 1398/11/04

#### Ethics committee reference number

IR.UMSHA.REC.1398.959

### Health conditions studied

#### 1

##### Description of health condition studied

Myocardial infarction

##### ICD-10 code

I21.0

##### ICD-10 code description

ST elevation (STEMI) myocardial infarction of anterior wall

### Primary outcomes

#### 1

##### Description

Nausea and vomiting

##### Timepoint

Before and after intervention

##### Method of measurement

Visual Analog Sclae

### Secondary outcomes

#### 1

##### Description

pain

##### Timepoint

Before and after intervention

##### Method of measurement

Visual Analog Scale

### Intervention groups

#### 1

##### Description

Intervention group A: In this group, the p6 point researcher, who is on the inside of the left forearm, will fasten the bracelet with the push of a button for 6 hours with the aim of applying pressure to the p6 point.

##### Category

N/A

#### 2

##### Description

Control group(C): No bracelets are used for them in this group.

**Category**

N/A

**3**

**Description**

In placebo group( B), the researcher determines the p6 point on the inside of the forearm. Then in the left hand, he will use the simple bracelet for 6 hours without putting pressure on p6 point.

**Category**

N/A

**Recruitment centers**

**1**

**Recruitment center**

**Name of recruitment center**

Farshchian hospital

**Full name of responsible person**

Mahnaz Khatiban

**Street address**

Shahid Fahmideh St., Hamadan University of Medical Sciences, Hamadan

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+98 81 3838 0535

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m.khatiban@umsha.ac.it

**Sponsors / Funding sources**

**1**

**Sponsor**

**Name of organization / entity**

Hamedan University of Medical Sciences

**Full name of responsible person**

Saeed Bashirian

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s\_bashirina@umsha.ac.ir

**Grant name**

**Grant code / Reference number**

**Is the source of funding the same sponsor organization/entity?**

No

**Title of funding source**

Deputy of research and technology

**Proportion provided by this source**

100

**Public or private sector**

Public

**Domestic or foreign origin**

Domestic

**Category of foreign source of funding**

*empty*

**Country of origin**

**Type of organization providing the funding**

Academic

**Person responsible for general inquiries**

**Contact**

**Name of organization / entity**

Hamedan University of Medical Sciences

**Full name of responsible person**

Mahnaz Khatiban

**Position**

Professor

**Latest degree**

Ph.D.

**Other areas of specialty/work**

Nursery

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**Person responsible for scientific inquiries**

**Contact**

**Name of organization / entity**

Hamedan University of Medical Sciences

**Full name of responsible person**

Mahnaz Khatiban

**Position**

Professor

**Latest degree**

Ph.D.

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## Person responsible for updating data

### Contact

**Name of organization / entity**  
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Mehdi Molavi  
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Instructor  
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## Sharing plan

### Deidentified Individual Participant Data Set (IPD)

Undecided - It is not yet known if there will be a plan to make this available

### Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

### Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

### Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

### Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

### Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

### Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available