Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 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)

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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, CABCAB) 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

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

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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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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 updating data

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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