

Clinical Trial Protocol

Iranian Registry of Clinical Trials

15 Jul 2026

The effectiveness of acupressure on Physiological indicators in myocardial infarction patients hospitalized in CCU of Chamran Hospital in Isfahan in 2015

Protocol summary

Summary

The aim of this study was to evaluate the effectiveness of acupressure on physiological parameters of patients with myocardial infarction admitted in Chamran hospital in Isfahan, Iran, in 2015. This study is a clinical trial conducted on 64 patients hospitalized for myocardial infarction. The patients were selected by simple sampling method and were randomly assigned in two groups (study and control), 32 person in each group. Inclusion criteria included: willingness to participate in the study ; age 35 to 75 years; Myocardial Infarction; Alert; no particular problem in the practices of acupressure; stability in hemodynamical records. Permission for Acupressure by acupressure specialist and cardiologist; excluding criteria: the patient's unwillingness to continue to participate in the intervention; the patient died during the study; doctor's intervention for excluding from study; the emergence of any circumstances at the time of intervention. The intervention consisted of applying acupressure on five points for 2 minutes at any point, in the morning and evening for 3 days. Data were collected using demographic questionnaire and record physiological parameters were collected. Physiological ten minutes before the intervention and after half an hour after intervention by the researcher was recorded.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015110524889N1**

Registration date: **2015-12-11, 1394/09/20**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2015-12-11, 1394/09/20

Registrant information

Name

Marzieh Batvani

Name of organization / entity

Isfahan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 31 5759 2553

Email address

marziehatvani@nm.mui.ac.ir

Recruitment status

Recruitment complete

Funding source

Isfahan University of Medical Sciences

Expected recruitment start date

2015-09-13, 1394/06/22

Expected recruitment end date

2016-01-05, 1394/10/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effectiveness of acupressure on Physiological indicators in myocardial infarction patients hospitalized in CCU of Chamran Hospital in Isfahan in 2015

Public title

The effectiveness of acupressure on Physiological indicators

Purpose

Supportive

Inclusion/Exclusion criteria
 Inclusion criteria included: willingness to participate in the study; age 35 to 75 years; Myocardial Infarction; Alert; no particular problem in the practices of acupressure; stability in hemodynamical records
 Permission for Acupressure by acupressure specialist and cardiologist; excluding criteria: the patient's unwillingness to continue to participate in the intervention; the patient died during the study; doctor's intervention for excluding from study; the emergence of any circumstances at the time of intervention.

Age
 From **75 years** old to **35 years** old

Gender
 Both

Phase
 2

Groups that have been masked
No information

Sample size
 Target sample size: **64**

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

Ethics Committee of Isfahan University of Medical Sciences

Street address

Azadi Square, Hezar-Jerib Street, Isfahan University of Medical Sciences, Isfahan. Postal cod: 81746-73461

City

Isfahan

Postal code

Approval date

2015-09-13, 1394/06/22

Ethics committee reference number

IR.mui.rec.1394.3.457

Health conditions studied

1

Description of health condition studied

myocardial infarction

ICD-10 code

I21.9

ICD-10 code description

Myocardial infarction (acute) NOS

Primary outcomes

1

Description

sistol BP

Timepoint

10 minutes before and Immediately after the intervention and 30 minutes after intervention

Method of measurement

Mercury sphygmomanometer in mmHg

2

Description

diastol BP

Timepoint

10 minutes before and Immediately after the intervention and 30 minutes after intervention

Method of measurement

Mercury sphygmomanometer in mmHg

3

Description

heart rate

Timepoint

10 minutes before and Immediately after the intervention and 30 minutes after intervention

Method of measurement

Finger Pulse Oximeter in terms of number of minutes

4

Description

O2 sat

Timepoint

10 minutes before and Immediately after the intervention and 30 minutes after intervention

Method of measurement

Finger Pulse Oximeter in percent

Secondary outcomes

empty

Intervention groups

1

Description

Control group: therapeutic touch at any false point in the stretch for two minutes and a total of 10 minutes and record physiological parameters before and after

Category

Treatment - Drugs

2**Description**

Groups: performing acupressure on five points at any point two minutes for 3 days in the morning and evening and record physiological parameters before and after the intervention of acupressure

Category

Other

Recruitment centers1**Recruitment center****Name of recruitment center**

Chamran Hospital of Isfahan

Full name of responsible person

Marzieh Batvani

Street address

Bozorgmehr St. Pole Shahrestan, Chamran Hospital

City

Isfahan

Sponsors / Funding sources1**Sponsor****Name of organization / entity**

Vice Chancellor for Research, Isfahan University of Medical Sciences

Full name of responsible person

Dr Mehdi Neamatbakhsh PhD in Physiology

Street address

Azadi Square, Hezar-Jerib street, Isfahan University of Medical Sciences, Isfahan. Postal cod: 81746-73461

City

Isfahan

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

Yes

Title of funding source

Vice Chancellor for Research, Isfahan 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**

Isfahan University of Medical Sciences

Full name of responsible person

Marzieh Batvani

Position

Nursing graduate student/ Staff of operation room ward of Rasol Akram Hospital Fereidoonshahr

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

Azadi Square, Hezar Jerib Ave., Faculty of Nursing and Midwifery, Isfahan University of Medical Sciences, Isfahan. Postal cod: 81746-73461

City

Isfahan

Postal code

8174673461

Phone

+98 31 5759 2553

Fax

+98 31 3669 9398

Email

marziehbatvani@nm.mui.ac.ir

marbatavani@yahoo.com

Web page address**Person responsible for scientific inquiries****Contact****Name of organization / entity**

Isfahan University of Medical Sciences

Full name of responsible person

Hojatollah Yousefi

Position

PhD in Nursing/ Academic member

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

Azadi Square, Hezar Jerib Ave., Faculty of Nursing and Midwifery, Isfahan University of Medical Sciences, Isfahan. Postal cod: 81746-73461

City

Isfahan

Postal code

8174673461

Phone

+98 31 3792 7543

Fax

+98 31 3669 9398

Email

yousefi@nm.mui.ac.ir

Web page address**Person responsible for updating data****Contact****Name of organization / entity**

Isfahan University of Medical Sciences

Full name of responsible person

Yousefi Hojatollah

Position

PhD in Nursing/ Academic member

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

Azadi Square, Hezar Jerib Ave., Faculty of Nursing and
Midwifery, Isfahan University of Medical Sciences,
Isfahan. Postal cod: 81746-73461

City

Isfahan

Postal code**Phone**

+98 31 3792 7543

Fax

+98 36699398

Email

yousefi@nm.mui.ac.ir

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