Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

The comparative study of foot reflexology and acupressure on physiological parameters in patients with acute coronary syndrome hospitalized in CCU of Teaching hospitals of Golestan University of Medical Sciences

Protocol summary

Summary
This study is a clinical trial triple blind , a sample size of 144 would be on the basis of sample size and sampling method is determined according to previous studies and then assigned to four groups, reflexology, acupressure, placebo January 93 will be made. Before the intervention for each group is measured physiological parameters. In the intervention group, reflexology foot in the heart reflected by the researcher, for 10 minutes (5 minutes for each leg) and acupressure points for the third eye With 10 minutes played. In the placebo group hand massage for 10 minutes (5 minutes for each hand) is done. Interference will not occur in the control group and the intervention group will be only 10 minutes time. Immediately after the intervention and again half an hour later physiological parameters will be measured.

General information

Acronym
IRCT registration information
IRCT registration number: **IRCT201404097821N9**
Registration date: **2015-02-24, 1393/12/05**
Registration timing: **retrospective**

Last update:
Update count: **0**
Registration date
2015-02-24, 1393/12/05

Registrant information
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Recruitment status
Recruitment complete
Funding source
Golestan University of Medical Science, Research & Technology, Gorgan, Iran

Expected recruitment start date
2014-09-06, 1393/06/15
Expected recruitment end date
2015-02-20, 1393/12/01
Actual recruitment start date
empty
Actual recruitment end date
empty
Trial completion date
empty

Scientific title
The comparative study of foot reflexology and acupressure on physiological parameters in patients with acute coronary syndrome hospitalized in CCU of Teaching hospitals of Golestan University of Medical Sciences

Public title
Effect of foot reflexology and acupressure on physiological parameters of patients acute coronary syndrome
Purpose
Supportive
Inclusion/Exclusion criteria
Inclusion criteria: diagnosis of acute coronary syndrome

by the physician, based on the records, having severe shortness of breath, lack of pacemaker pulse is less than 60, no amputation (leg), no problems or diseases of the skin at the site of intervention, lack deep vein thrombosis, cancer, history of bone fracture in the previous 2 months; lack of therapeutic massage and acupressure, pregnancy (for acupressure). Exclusion criteria: loss of consciousness; receiving warfarin, the incidence of cardiopulmonary arrest in the past 72 hours, the patient's desire to withdraw from the study.

Age
From **18 years** old to **80 years** old

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **144**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Triple blinded

Blinding description

Placebo
Used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Ethical Committee Golestan University of Medical Sciences

Street address
Golestan University of Medical Sciences,Shastkola

City
Gorgan

Postal code
49165568

Approval date
2014-06-08, 1393/03/18

Ethics committee reference number
930318444

Health conditions studied

1

Description of health condition studied
Acute Coronary Syndrome

ICD-10 code
I24.9

ICD-10 code description
Acute ischaemic heart disease, unspecified

Primary outcomes

1

Description
BP

Timepoint
The intervention will be conducted in two sessions, morning and afternoon, and physiological parameters, as well as morning and afternoon, before Wales intervene immediately and a half hours after the intervention.....

Method of measurement
Pressure-pulse-respiration-arterial oxygen saturation

2

Description
heart rate

Timepoint
Prior to the intervention, immediately after the intervention and a half hours.

Method of measurement
for the heartbeat using a stethoscopeAnd watch

3

Description
breath

Timepoint
Prior to the intervention, immediately after the intervention and a half hours.

Method of measurement
Looking at the chest and breathing rate using a watch over a period of a minute is counted

4

Description
arterial o2 saturation

Timepoint
Prior to the intervention, immediately after the intervention and a half hours.

Method of measurement
Blood oxygen saturation using pulse oximetry

Secondary outcomes

empty

Intervention groups

1

Description
intervention group massage Reflexive: After 5 minutes rest on the throne in the condition of long tanker to the back, high blood pressure, your heart rate and breathing and oxygen arterial blood as much based on

measurement and are recorded. Then massage Reflexive reflection point in Heart (solar point) The two prominence or roughly the left leg he is in along the line the area anterior to the foot area It is separated from Middle; in this area one empty space there is an oval shape that same spot and solar The place is reflected massage done;method of massage done with so first to find heart reflection point line with transverse In under two hypothetical number roughly or boss below the breast leg down roughly about it we then line number two The diagonal transverse line started and in the border between the two numbers roughly close to each other will be a hypothetical to painted , the distance between this line and the lines transverse diagonal oval in shape space would be reflection point heart Or point is called solar and at this point massage with the use of the Reflexive movement torsion middle finger Hand (like meat screw motion of the region. . . . bent and fingers by other firm surrounded by, with pressure about 3 To 4 kilograms that the pressure had already using digital scales to calibrate، for 5 minutes for every And with the speed 7 times in minutes will be done and the patient will be told to breathe arranged While pushing a point reflection and action when it left the action disturb, Then the same stages in the other leg will be

Category

Other

2

Description

control group patients in study environment just 10 minutes waiting for it like and before and after the expected Vital parameters as, and, recorded.

Category

Other

3

Description

control group patients in study environment just 10 minutes waiting for it like and before and after the expected Vital parameters as, and, recorded.

Category

Other

4

Description

The Group intervene acupressure: first demographic profile questionnaire like other groups and physiological parameters of the complete disease information and measurements will be recorded, and then from that point on the third eye located at the root of the nose and between the two eyebrows using the thumb pulp pressure movements with an average of 20-25 times a minute and apply pressure with about 3 to 4 kg for 10 minutes and then immediately press will be half an hour Physiological parameters measured again and the next record will be done.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Saiyad Teaching Hospital Golestan University of Medical Sciences

Full name of responsible person

Alireza Kalbali

Street address

Saiyad Hospital , Saiyad Street

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2

Recruitment center

Name of recruitment center

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Full name of responsible person

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Deputy of Research & Technology, Golestan University of Medical Sciences

Full name of responsible person

Dr Masood Khoshnya

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Grant name

مرکز تحقیقات

Grant code / Reference number

Research Center

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

Yes

Title of funding source

Deputy of Research & Technology, Golestan 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

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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