Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Nov 2026

Comparing of the effect of reflexive and strock massages on physiologic indices and anxiety in patients with MI

Protocol summary

Summary

This study with the goal of comparing of the effect of reflexive and strock massages on physiologic indices and anxiety in patients with MI was accomplished. Inclusion criteria: suffering from MI for the first time; ability for communication; Exclusion criteria: suffering from another MI; Hypertension resistance to treat; The study population was the patients hospitalized in Imam Reza and Imam Ali Hospitals in Kermanshah which their MI was diagnosed by cardiologist. Sample size was equal to 105 patients which were assigned into 3 groups with 35 samples randomly. Intervention: Group1: Doing Strock massage on the patient during 5 minutes/ in two times of morning (9-11) and evening (17- 19). Group2: Doing Reflexive massage on the patient during 5 minutes/ in two times of morning (9-11) and evening (17- 19). Group 3 (control): Just providing routine care Then the effect of reflexive and strock massages on physiologic indices (primary out comes) and anxiety (secondary out come) will determined.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201302034519N4**
Registration date: **2013-02-23, 1391/12/05**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2013-02-23, 1391/12/05

Registrant information

Name

Davood Hekmatpou

Name of organization / entity

Arak University of Medical Sciences

Country

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Recruitment status

Recruitment complete

Funding source

Arak University of Medical Sciences

Expected recruitment start date

2012-10-27, 1391/08/06

Expected recruitment end date

2013-01-25, 1391/11/06

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparing of the effect of reflexive and strock massages on physiologic indices and anxiety in patients with MI

Public title

Effect of reflexive and strock massages on MI complications

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: suffering from MI for the first time; ability for communication; having no diabetes Mellitus, skin and neurogenic disorders and wound or fractures on limbs; Exclusion criteria: suffering from another MI; Hypertension resistance to treat; neoplasia; unconsciousness; having extensive surgery; active infection

Age

From **45 years** old to **75 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **105**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Arak University of Medical Sciences

Street address

Basij Sq. Arak

City

Arak

Postal code

Approval date

2012-08-27, 1391/06/06

Ethics committee reference number

91-131-1

Health conditions studied

1

Description of health condition studied

Myocardial Infarction

ICD-10 code

I20-I25

ICD-10 code description

Acute myocardial infarction

Primary outcomes

1

Description

Blood pressure

Timepoint

Morning-Evening

Method of measurement

Blood pressure Cuff

2

Description

Pulse

Timepoint

Morning-Evening

Method of measurement

Count/minute

3

Description

Tempreture

Timepoint

Morning-Evening

Method of measurement

Termometer

4

Description

Respiration

Timepoint

Morning-Evening

Method of measurement

Count/minute

5

Description

Arterial O2 Saturation

Timepoint

Morning-Evening

Method of measurement

Pulse-Oximeter

Secondary outcomes

1

Description

Patient anxiety

Timepoint

Before and after 48 hours

Method of measurement

Schpiel Burger questionnare

Intervention groups

1

Description

Group1: Doing Strock massage on the patient during 5 minutes/ in two times of morning (9-11) and evening (17-19).

Category

Treatment - Other

2

Description
Group2: Doing Reflexive massage on the patient during 5 minutes/ in two times of morning (9-11) and evening (17-19).
Category
Treatment - Other

3

Description
Group 3 (control): Just providing routine care
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Imam Reza Hospital
Full name of responsible person
Dr. Davood Hekmatpou
Street address
Sorcheh Lejeh
City
Kermanshah

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Arak University of Medical Sciences
Full name of responsible person
Dr. Davood Hekmatpou
Street address
Basij Sq.
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Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Arak 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
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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