

Clinical Trial Protocol

Iranian Registry of Clinical Trials

14 Jul 2026

The comparative effect of massage and dry cupping on dysrhythmia among patients admitted to cardiac care units of hospitals affiliated to Kerman University of Medical Sciences in 2018

Protocol summary

Study aim

The comparative effect of massage and dry cupping on dysrhythmia among patients admitted to cardiac care units of hospitals affiliated to Kerman University of Medical Sciences in 2018

Design

Clinical trial with control group, with parallel groups, randomized

Settings and conduct

Study is done in cardiac care units of hospitals affiliated to Kerman University of Medical Sciences. In the control group, only the usual care of the cardiac care unit is provided. In the massage group, samples in addition to receiving usual care, From the second night of admission At the hospital, they will receive head and face massage for three nights. In the dry cupping group, samples in addition to receiving usual care, From the second night of admission At the hospital, they will receive dry cupping between the C3 and T4 vertebra, for three nights.

Participants/Inclusion and exclusion criteria

1) Ages 18 to 75 years 2) Patients with coagulation disorder diagnosed with a doctor 3) Severe vascular disease 4) Patients with intubates or with central vascular catheters such as cvline and shaldon

Intervention groups

In the control group, only the usual care of the cardiac care unit is provided. In the massage group, samples in addition to receiving usual care, From the second night of admission At the hospital, they will receive head and face massage for three nights. In the dry cupping group, samples in addition to receiving usual care, From the second night of admission At the hospital, they will receive hot dry cupping between the C3 and T4 vertebra, for three nights.

Main outcome variables

The effect of massage and dry cupping on the dysrhythmia is compared

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20190325043108N1**

Registration date: **2019-08-05, 1398/05/14**

Registration timing: **registered_while_recruiting**

Last update: **2019-08-05, 1398/05/14**

Update count: **0**

Registration date

2019-08-05, 1398/05/14

Registrant information

Name

Yaser Hamzehnejadi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 34 3325 5441

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Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-07-23, 1398/05/01

Expected recruitment end date

2019-09-23, 1398/07/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The comparative effect of massage and dry cupping on dysrhythmia among patients admitted to cardiac care units of hospitals affiliated to Kerman University of Medical Sciences in 2018

Public title

Comparison of the effect of massage and dry cupping on dysrhythmia in cardiac patients

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria:

Age between 18 and 75 years All adult patients admitted to cardiac care unit

Exclusion criteria:

Patients with coagulation disorder diagnosed with a doctor Over-obesity with doctor's diagnosis severe vascular disease Open wound on the surface of the dry cupping Blend dry cupping with drug treatment with your doctor's opinion Pregnant women with gestational age of more than 4 months The presence of a tumor at the site of the intervention Patients with bone fracture at the site of the intervention Disease-like skin disease, such as sores Patients have intubates or have central vascular katers such as cvline and shaldon

Age

From **18 years** old to **75 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **75**

Randomization (investigator's opinion)

Randomized

Randomization description

Block random assignment Samples (75 people) will select by convenience sampling method .Then randomly will be allocated blocks into three groups;2 intervention groups (25 massage , 25 dry cupping) and 25 in the control group. In this method, random block allocation will perform by the software.

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 Kerman University of Medical Sciences

Street address

Kerman University of Medical Sciences,Medical University Campus,Haft-Bagh Highway, Kerman, Iran

City

kerman

Province

Kerman

Postal code

7616913555

Approval date

2019-06-25, 1398/04/04

Ethics committee reference number

IR.KMU.REC.1398.150

Health conditions studied

1

Description of health condition studied

Dysrhythmia

ICD-10 code

I49.9

ICD-10 code description

Cardiac arrhythmia, unspecified

Primary outcomes

1

Description

Prevalence of dysrhythmia

Timepoint

the nightFirst, second, third and fourth admissions

Method of measurement

Electrocardiogram

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: First intervention group:In this group, in addition to receiving usual care, the massage was performed with 2 cc sweet almond oil (100% purity from Barij Kashan Essential Oil Company) for 15 minutes on the second night, once in They receive nightly nights for three nights. In this study, Brown Massage Therapy is used, which is a combination of Effleurage and pressure massage. To massage after resting the patient and draping the curtains at the patient's bed, the patient is placed in a half-sitting position, while the head of the bed is 45 degrees, then the masseur is placed above the

patient's head and the massage stages It done

Category

Prevention

2

Description

Intervention group: Second intervention group: In this group, in addition to receiving usual care, the Contributors receive a dry cupping between the third neck and the fourth thoracic vertebrae from the second day of admission once a day for three days using a hand dry cupping.

Category

Prevention

3

Description

Control group: In the control group, only the usual care of the cardiac care unit is provided. To control dysrhythmia, the necessary therapeutic measures or, if necessary, measures such as the use of electrical shock, the removal of the arrhythmic arrhythmias and the insertion of a temporary or permanent pacemaker

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Shafa hospital

Full name of responsible person

Mahmoud Nekoyi Moghaddam

Street address

shafa Medical Education Center, Kowsar Blvd,
Kerman, Iran

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Kerman

Province

Kerman

Postal code

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Phone

+98 34 3211 5780

Email

shafahospital@kmu.ac.ir

2

Recruitment center

Name of recruitment center

Afzalipour hospital

Full name of responsible person

Ali Asghar Vahidi

Street address

Afzalipour Medical Education Center, next to Shahid
Bahonar University, Imam Khomeini Highway

City

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Province

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Phone

+98 34 3132 8000

Email

avahidi@kmu.ac.ir

3

Recruitment center

Name of recruitment center

Shahid Bahonar hospital

Full name of responsible person

Mahdi ahmadinejad

Street address

Shahid bahonar hospital, Qarani street, Kerman

City

Kerman

Province

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7613747181

Phone

+98 34 3223 5011

Email

Ahmadinejadmahdi@yahoo.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Kerman University of Medical Sciences

Full name of responsible person

Dr. Abbas Pardakhty

Street address

Research and Technology Dept, Ibn Sina Ave,
Somayeh Road (Tahmasebabad), kerman

City

Kerman

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7815789957

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Email

Vcr@kmu.ac.ir

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Kerman University of Medical Sciences

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

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Person responsible for general inquiries**Contact****Name of organization / entity**

Kerman University of Medical Sciences

Full name of responsible person

Yaser Hamzehnejadi

Position

Masters Student

Latest degree

Bachelor

Other areas of specialty/work

Nursery

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

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Full name of responsible person

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Position

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Latest degree

Bachelor

Other areas of specialty/work

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

Kerman University of Medical Sciences

Full name of responsible person

Mahlegah Dehghan

Position

Assistant Professor of Nursing

Latest degree

Ph.D.

Other areas of specialty/work

Nursery

Street addressKerman University of Medical Sciences, Medical
University Campus, Haft-Bagh Highway, Kerman, Iran**City**

Kerman

Province

Kerman

Postal code**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**

No - There is not a plan to make this available

Statistical Analysis PlanUndecided - 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