

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

05 Jun 2026

### The Effect of Local Therapy on Chest Pain in Patients with Acute Coronary Disease

#### Protocol summary

##### Study aim

The Effect of Local Therapy on Chest Pain in Patients with Coronary Disease

##### Design

This is a randomized clinical trial study, in which 78 randomly assigned random access units were divided into two parallel groups of 39 intervention and control groups. Both groups received routine care according to a cardiologist. In the intervention group, in addition to routine care, the patients received an overnight warm-up heart warm-hearth room at a temperature of 50 ° C for 20 minutes in the posterior area of the nurse for an hour after entering the hearth area. Therapy Continued for 5 days. Before the onset of intervention in the event of heart attack, the severity of the pain was determined using a numerical questionnaire (VAS), with the need for or no need for opioids to relieve pain. Also, after starting the first session of the first session, the patient's pain intensity during the 5 sessions to 12 hours after the last session was determined based on the numerical pain questionnaire, along with the number of pain, length of pain, need or lack of need for opioid analgesia. It turned out Also in the control group, the patients completed the questionnaire after receiving routine therapies (TNG).

##### Settings and conduct

Heart Hospital of Ahvaz Golestan Hospital

##### Participants/Inclusion and exclusion criteria

The presence of a definite diagnosis of acute coronary syndrome by a specialist physician. 2. Having a physiological stable status to answer questions. 3. The ability to speak and understand fully the language of Farsi. 4. Age of 30 years and above. 5. Non-alcohol and drug addiction. Musculoskeletal or gastrointestinal disease at the time of heart disease 7. No mental and psychological illness 8. No decrease in consciousness and anesthesia at the time of symptoms. 9. Non-drug addiction and use of anti-anxiety and analgesics

##### Intervention groups

The intervention group received topical hemothrapy

Control group without receiving heat therapy

##### Main outcome variables

Coronary pain

#### General information

##### Reason for update

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT20161122031017N2**

Registration date: **2018-01-27, 1396/11/07**

Registration timing: **retrospective**

Last update: **2018-01-27, 1396/11/07**

Update count: **0**

##### Registration date

2018-01-27, 1396/11/07

##### Registrant information

##### Name

Amin Moradkhani

##### Name of organization / entity

ahwaz jondi shapour university medical science

##### Country

Iran (Islamic Republic of)

##### Phone

+98 61 3161

##### Email address

moradkhani.a@ajums.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

##### Expected recruitment start date

2017-07-23, 1396/05/01

##### Expected recruitment end date

2017-11-22, 1396/09/01

##### Actual recruitment start date

2017-08-11, 1396/05/20

**Actual recruitment end date**

2017-10-23, 1396/08/01

**Trial completion date**

empty

**Scientific title**

The Effect of Local Therapy on Chest Pain in Patients with Acute Coronary Disease

**Public title**

The Effect of Therapeutic Therapy on Chest Pain

**Purpose**

Supportive

**Inclusion/Exclusion criteria****Inclusion criteria:**

The presence of a definite diagnosis of acute coronary syndrome by a specialist physician. 2. Having a physiological stable status to answer questions. 3. The ability to speak and understand fully the language of Farsi. 4. Age of 30 years and above

**Exclusion criteria:**

Non-alcohol and drug addiction. Musculoskeletal or gastrointestinal disease at the time of heart disease . No mental and psychological illness Non-drug addiction and use of anti-anxiety and analgesics No decrease in consciousness and anesthesia at the time of symptoms

**Age**

From **30 years** old

**Gender**

Both

**Phase**

N/A

**Groups that have been masked**

*No information*

**Sample size**

Target sample size: **78**

Actual sample size reached: **78**

**Randomization (investigator's opinion)**

Randomized

**Randomization description**

Individuals are randomly divided into two groups of 39 by random randomized quadrilateral randomization method.

**Blinding (investigator's opinion)**

Not blinded

**Blinding description****Placebo**

Not used

**Assignment**

Parallel

**Other design features**

Type of research: A clinical trial study of the effect of topical heat therapy on chest pain in patients with coronary heart disease.

**Secondary Ids**

empty

**Ethics committees****1****Ethics committee****Name of ethics committee**

Development of Research & Technology of Ahvaz Jundishapur University of Medical Sciences

**Street address**

Ahvaz University City. Jundishapur University of Ahvaz

**City**

Ahvaz

**Province**

Khuzestan

**Postal code**

61357-15794

**Approval date**

2017-06-10, 1396/03/20

**Ethics committee reference number**

IR.AJUMS.REC.139.144

**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**

Chest pain

**Timepoint**

18/5000For 1 to 5 days

**Method of measurement**

Numerical Inventory of Pain

**Secondary outcomes**

empty

**Intervention groups****1****Description**

Intervention group: Intervention group: A group who received topical heat therapy for 5 days to check the severity of pain after the thermal therapy

**Category**

Treatment - Other

**2****Description**

Control group:receive routine care

**Category**

Other

## Recruitment centers

1

### Recruitment center

**Name of recruitment center**

Ahvaz Golestan Hospital

**Full name of responsible person**

Amin Morad Khani

**Street address**

Ahvaz Golestan Hospital, University of street .

**City**

Ahvaz

**Province**

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**Postal code**

61-35715794

**Phone**

+98 61 3373 8394

**Email**

amin1980Msc@gmail.com

## Sponsors / Funding sources

1

### Sponsor

**Name of organization / entity**

Deputy of Research of Ahvaz Jundishapur University of Medical Sciences

**Full name of responsible person**

Shahram Braz

**Street address**

Ahvaz Jundishapur University of Medical Sciences.  
University Street

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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**

Deputy of Research of Ahvaz Jundishapur 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

## Person responsible for general inquiries

### Contact

**Name of organization / entity**

Ahvaz University of Medical Sciences

**Full name of responsible person**

Amin Morad Khani

**Position**

Student Master

**Latest degree**

Master

**Other areas of specialty/work**

Nursery

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## Person responsible for scientific inquiries

### Contact

**Name of organization / entity**

Ahvaz University of Medical Sciences

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Shahram Braz

**Position**

University professor

**Latest degree**

Ph.D.

**Other areas of specialty/work**

Nursery

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## Person responsible for updating data

### Contact

**Name of organization / entity**

Ahvaz University of Medical Sciences

**Full name of responsible person**

Amin Morad Khani

**Position**

Student Nursing Masters

**Latest degree**

Master

**Other areas of specialty/work**

Nursery

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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