Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Sep 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 hemotherapy
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)

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+98 61 3161

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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
Khouzestan
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 .

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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

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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 updating data

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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