

Clinical Trial Protocol

Iranian Registry of Clinical Trials

29 Jun 2026

Effect of post conditioning on the early prognosis of patient with acute ST-elevation myocardial infarction

Protocol summary

Summary

Aim of this prospective randomized controlled study is survey of post conditioning effect on early prognosis of ST- elevation myocardial infarction. Recruited patients (upon inclusion and exclusion criteria) divided to 15 person two groups randomizely. In patient group after the direct stenting, the angioplasty balloon was positioned just upstream of the implanted stent and reinflated 4 times for 1 minute with low-pressure (4 to 6 atm) inflations; each separated by 1 minute of reflow.this procedure called post conditioning and was not done in control group. Patients have been assessing by ECG and enzyme change from base line and serial echocardiography.

General information

Acronym

HHT

IRCT registration information

IRCT registration number: **IRCT2012120211643N1**

Registration date: **2013-03-18, 1391/12/28**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2013-03-18, 1391/12/28

Registrant information

Name

Jamshid Sharifi

Name of organization / entity

Hormozgan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 76 1355 6349

Email address

jsharifi@hums.ac.ir

Recruitment status

Recruitment complete

Funding source

Hormozgan University of Medical Science

Expected recruitment start date

2013-01-18, 1391/10/29

Expected recruitment end date

2014-01-19, 1392/10/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of post conditioning on the early prognosis of patient with acute ST-elevation myocardial infarction

Public title

post conditioning in Myocardial Infarction

Purpose

Treatment

Inclusion/Exclusion criteria

inclusion criteria:typicall prolonged chest pain; ECG change(An ST elevation at least 1 mm in a limb lead or 2 mm in a precordial lead exclusion criteria:cardiac arrest; cardiogenic shock; old myocardial infarction; pulmonary edema

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 30

Randomization (investigator's opinion)

Randomized

Randomization description**Blinding (investigator's opinion)**

Single blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

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

Hormozgan University of Medical Science

Street address

Vice and Chancellor for Research and Technology,
Shahid Mohammadi Hospital, IR Street, Bandar Abbas

City

BandarAbbas

Postal code**Approval date**

2012-12-17, 1391/09/27

Ethics committee reference number

91/01/633

Health conditions studied**1****Description of health condition studied**

Acute Myocardial Infarction

ICD-10 code

I21

ICD-10 code description

Acute Myocardial Infarction

Primary outcomes**1****Description**

ST elevation measurement

Timepoint

any 12 hr for 2 times then daily

Method of measurement

ECG

2**Description**

serum ceratin kinas mb

Timepoint

any 12 h for 2 times then daily

Method of measurement

ELISA

3**Description**

serum troponin I level

Timepoint

daily

Method of measurement

ELISA

4**Description**

ejection fraction

Timepoint

daily

Method of measurement

Echocardiography

Secondary outcomes**1****Description**

hyperlipidemia

Timepoint

one times in study

Method of measurement

ELISA

2**Description**

smoking

Timepoint

one times in study

Method of measurement

history

3**Description**

diabet melitus

Timepoint

one times in study

Method of measurement

history

4**Description**

coronary site involvment

Timepoint

one times in study

Method of measurement

angiography

5

Description

hypertension

Timepoint

one times in study

Method of measurement

history

6

Description

arrytmia

Timepoint

full time of admission period

Method of measurement

herat monitoring

Intervention groups

1

Description

after the direct stenting, the angioplasty balloon was positioned just upstream of the implanted stent and reinflated 4 times for 1 minute with low-pressure (4 to 6 atm) inflations; each separated by 1 minute of reflow

Category

Treatment - Other

2

Description

after the direct stenting and angioplasty don't be other intervention

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Shahid Mohammadi Hospital

Full name of responsible person

Dr Jamshid Sharifi

Street address

Internal Ward, Shahid Mohammadi Hospital, IR Street, Bandar Abbas

City

Bandar Abbas

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Hormozgan University of Medical Science

Full name of responsible person

Dr Abdolazim Nejatizade

Street address

Vice and Chancellor for Research and Thecnology, Shahid Mohammadi Hospital, Bandarabbas

City

Bandarabbas

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Hormozgan University of Medical Science

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

Name of organization / entity

Hormozgan University of Medical Science

Full name of responsible person

Jamshid Sharifi

Position

Internal Resident

Other areas of specialty/work

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Person responsible for scientific inquiries

Contact

Name of organization / entity

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Dr Ahmad Noor Abdi

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Cardiologist, Interventionalist

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

Hormozgan University of Medical Science

Full name of responsible person

Jamshid Sharifi

Position

Internal Resident

Other areas of specialty/work**Street address**Internal Ward, Shahid Mohammadi Hospital, IR Street,
Bandar Abbas**City****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*