

Clinical Trial Protocol

Iranian Registry of Clinical Trials

24 Jun 2026

Comparison of Adhesion molecules before and after of streptokinase infusion in patients with acute MI

Protocol summary

Summary

PCI is the only way which can reduce infarct size in heart muscle. The purpose of this study is to compare adhesion molecules before and after of streptokinase infusion in patients with acute MI. 40 patients with chest pain with diagnosis of acute MI who are candidates for receiving Streptokinase without history of hemorrhagic stroke, bland CVA in past year, brain neoplasm, active bleeding, aortic dissection, and pericarditis are included in the study. Intervention is Streptokinase infusion which infuses during 12 hours of chest pain and its side effects are bleeding and hypotension.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138812122337N1**
Registration date: **2010-05-04, 1389/02/14**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2010-05-04, 1389/02/14

Registrant information

Name

Mani Mofidi

Name of organization / entity

Iran University of Medical Sciences

Country

Iran (Islamic Republic of)

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Email address

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Recruitment status

Recruitment complete

Funding source

Research center of Iran University of Medical Sciences

Expected recruitment start date

2010-04-21, 1389/02/01

Expected recruitment end date

2011-04-21, 1390/02/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of Adhesion molecules before and after of streptokinase infusion in patients with acute MI

Public title

Comparison of Adhesion molecules before and after of streptokinase infusion in patients with acute MI

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: presence of acute MI referred to the emergency room and candidates of streptokinase infusion
Exclusion criteria: Contraindication of streptokinase, previous hemorrhagic stroke, bland CVA in the past year, brain neoplasm, active bleeding, aortic dissection or pericarditis

Age

From **20 years** old to **75 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **40**

Randomization (investigator's opinion)

N/A

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

Not blinded

Blinding description**Placebo**

Not used

Assignment

Single

Other design features**Secondary Ids**

empty

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

Ethics committee of Iran University of Medical Sciences

Street address

Hemmat Blvd, before Chamran Blvd.

City

Tehran

Postal code**Approval date**

2031-09-12, 1410/06/21

Ethics committee reference number

897

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

Acute MI

ICD-10 code

I21.0

ICD-10 code description

Acute transmural myocardial infarction of anterior wall

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

Bleeding

Timepoint

Every 6 hours

Method of measurement

check of PT,PTT,INR

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

Hypotension

Timepoint

Every 20 min

Method of measurement

cuff pressure

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

streptokinase, 1.5 million IU, single dose IV infusion

Category

Treatment - Drugs

Recruitment centers**1****Recruitment center****Name of recruitment center**

Rasool Akram hospital

Full name of responsible person**Street address****City**

Tehran

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Research center of Iran University of Medical Sciences

Full name of responsible person

Mrs Malmir

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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

Research center of Iran 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

Name of organization / entity

Iran University of Medical Sciences

Full name of responsible person

Mani Mofidi

Position

Emergency Medicine physician

Other areas of specialty/work**Street address**

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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