

Clinical Trial Protocol

Iranian Registry of Clinical Trials

22 Jul 2026

The effect of Streptokinase on ST segment Resolution among diabetic patients with acute myocardial infarction

Protocol summary

Summary

The aim of study is to compare the effect of streptokinase on ST segment resolution among diabetic patients with acute myocardial infarction with non diabetics. We prepare a trial and patients with myocardial infarction who admitted during first 6 hours of onset will be included. Definite diagnosis of acute myocardial infarction performed by ST elevation in ECG and cardiac enzymes assessment during admission period. Informed consent was done. demographics and medical history were registered. All of our patients were gone under 12 leads ECG and routine labs. streptokinase injected to them with 1.5 million units, diluted in 100 ml of saline during 1 hour. ECG repeated 3 hours after injection and FBS was evaluated the next morning. the rate of ST resolution was measured. NAS was used to assess pain reduction.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015052722445N1**

Registration date: **2015-07-18, 1394/04/27**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2015-07-18, 1394/04/27

Registrant information

Name

Seyyedh Mahboobeh Rezanezhad

Name of organization / entity

Shahid Beheshti Medical University

Country

Iran (Islamic Republic of)

Phone

+98 21 8895 6612

Email address

m.rezanezhad@sbmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Shahid Beheshti University of Medical Sciences

Expected recruitment start date

2013-09-23, 1392/07/01

Expected recruitment end date

2016-09-22, 1395/07/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of Streptokinase on ST segment Resolution among diabetic patients with acute myocardial infarction

Public title

Acute myocardial infarction management

Purpose

Treatment

Inclusion/Exclusion criteria

Patients with acute chest pain or other symptoms of AMI who referred to Firoozabadi Hospital during the first 6 hours of onset included in this study. Patients who have MI in their past medical history or those with LBBB in addition to patients who received SK for any reason excluded from this study.

Age

No age limit

Gender

Both

Phase

2

Groups that have been masked
No information

Sample size
Target sample size: **342**

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
Shahid Beheshti Medical University

Street address
Daneshjoo Blvd

City
Tehran

Postal code

Approval date
2013-05-13, 1392/02/23

Ethics committee reference number
69

Health conditions studied

1

Description of health condition studied
Acute Myocardial Infarction

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description
ST resolution

Timepoint
Three hours after SK injection

Method of measurement
ECG

Secondary outcomes

1

Description
Pain reduction

Timepoint
Three hours after SK injection

Method of measurement
Numerical Rating Scale (NRS)

Intervention groups

1

Description
1.5 million units of IV Streptokinase diluted in 100 ml of Saline

Category
Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center
Firoozabadi Hospital

Full name of responsible person
Seyyedeh Mahboobeh Rezanezhad

Street address
Fadaeian-e-islam St, Shahreray

City
Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Shahid Beheshti Medical University

Full name of responsible person
Mrs. Nouroozi

Street address
Parvaneh st., Yaman st., Chamran highway

City
Tehran

Grant name

Grant code / Reference number

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

Title of funding source
Shahid Beheshti Medical University

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

Shahid Beheshti Medical University

Full name of responsible person

Seyyedeh Mahboobeh Rezanezhad

Position

Emergency Medicine Resident

Other areas of specialty/work

Street address

No.3, Havizi st., Fakoori st., North Amirabad

City

Tehran

Postal code

Phone

+98 21 8895 6612

Fax

Email

rezanezhad.mahboobeh@gmail.com

Web page address

Fax

Email

rezanezhad.mahboobeh@gmail.com

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Shahid Beheshti Medical University

Full name of responsible person

Seyyedeh Mahboobeh Rezanezhad

Position

Emergency Medicine Resident

Other areas of specialty/work

Street address

No.3, Havizi st., Fakoori st., North Amirabad

City

Tehran

Postal code

Phone

+98 21 8895 6612

Fax

Email

rezanezhad.mahboobeh@gmail.com

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Shahid Beheshti Medical University

Full name of responsible person

Seyyedeh Mahboobeh Rezanezhad

Position

Emergency Medicine Resident

Other areas of specialty/work

Street address

No 3, Havizi st., Fakoori st., North Amirabad

City

Tehran

Postal code

Phone

+98 21 8895 6612

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