

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

26 May 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 Rezaezhad

#### 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

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## Person responsible for updating data

### Contact

**Name of organization / entity**

Shahid Beheshti Medical University

**Full name of responsible person**

Seyyedeh Mahboobeh Rezanezhad

**Position**

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## 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**

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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*