

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

28 May 2026

### Comparison of clopidogrel loading dose with standard regime Acute Ischemic Stroke

#### Protocol summary

##### Summary

Introduction and aim: stroke is third leading cause of death and is the most common disabling neurological disease. This complication is the main cause of serious and long-term disability in the United States. Financial and economic impact of stroke is very impressive and direct and indirect costs of this disease have caused that is was one of the greatest health challenges in the world. Purpose of this study was to investigate the effect of different doses of clopidogrel on the first day of treatment to reduce complications in patients with acute cerebral ischemic stroke. Material and methods: this study confirmed by neurologic committee of Sina hospital. 50 patients within 24 hours of the occurrence of an acute neurologic deficit with diagnosis of acute cerebral ischemic stroke admitted to this hospital had been entered the study. Age of patients was 50-80 years old. Degree of neurologic deficit before taking the drug was determined by NIHSS Score. The case group received 300 mg clopidogrel and the control group received 75 mg clopidogrel and placebo 225 mg on the first day of treatment. 75 mg clopidogrel was administered to both groups in the after days. The recovery status of Patients was assessed by the Modified Rankin Scale and Barthel Index after 2 weeks.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT201407213106N18**  
Registration date: **2015-03-05, 1393/12/14**  
Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2015-03-05, 1393/12/14

#### Registrant information

##### Name

Farshad Hashemian

##### Name of organization / entity

Pharmaceutical Sciences Branch, Islamic Azad University (IAU)

##### Country

Iran (Islamic Republic of)

##### Phone

+98 21 2260 0037

##### Email address

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#### Recruitment status

##### Recruitment complete

#### Funding source

Pharmaceutical science branch of Islamic Azad University

#### Expected recruitment start date

2014-08-01, 1393/05/10

#### Expected recruitment end date

2014-09-21, 1393/06/30

#### Actual recruitment start date

empty

#### Actual recruitment end date

empty

#### Trial completion date

empty

#### Scientific title

Comparison of clopidogrel loading dose with standard regime Acute Ischemic Stroke

#### Public title

Evaluation of different doses administration of clopidogrel in acute ischemic stroke

#### Purpose

Treatment

#### Inclusion/Exclusion criteria

Inclusion criterion: the patient with acute ischemic stroke above 40 and under 80 years old. Exclusion criteria: hemorrhage; need to anticoagulant or heparin; platelet

decrease.

**Age**

From **40 years** old to **80 years** old

**Gender**

Both

**Phase**

N/A

**Groups that have been masked**

*No information*

**Sample size**

Target sample size: **40**

**Randomization (investigator's opinion)**

Not randomized

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

Double blinded

**Blinding description****Placebo**

Used

**Assignment**

Parallel

**Other design features****Secondary Ids**

empty

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

Pharmaceutical science branch of Islamic Azad University

**Street address**

No.99, Yakhchal street, Dr. Shariati Avenue

**City**

Tehran

**Postal code****Approval date**

2012-06-20, 1391/03/31

**Ethics committee reference number**

3335

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

Acute ischemic stroke

**ICD-10 code**

G46.3

**ICD-10 code description**

Brain stem stroke syndrome

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

Aphasia and dysmotility

**Timepoint**

at the end 2 weeks

**Method of measurement**

NIHSS Score

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

Unability to move

**Timepoint**

At the of 2nd week

**Method of measurement**

Barthel index and Modified rankin scale

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

Intervention group: received 300 mg clopidogrel at the first day.

**Category**

Treatment - Drugs

**2****Description**

Control group: received 75 mg clopidogrel and 225 mg placebo at the first day.

**Category**

Placebo

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

Sina Hospital

**Full name of responsible person**

Dr Mohamadreza Gheini

**Street address****City**

Tehran

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

Pharmaceutical science branch of Islamic Azad University

**Full name of responsible person**

Dr Sepide Arbabi Bidgoli

**Street address**

No.99, Yakhchal street, Dr. Shariati Avenue

**City**

Tehran

**Grant name**

**Grant code / Reference number**

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

Yes

**Title of funding source**

Pharmaceutical science branch of Islamic Azad 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**

**Person responsible for scientific inquiries**

**Contact**

**Name of organization / entity**

Pharmaceutical science branch of Islamic Azad university

**Full name of responsible person**

Dr. Farshad Hashemian

**Position**

Associate professor

**Other areas of specialty/work**

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**Web page address**

**Person responsible for updating data**

**Contact**

**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*