

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 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 it 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

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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: recieved 300 mg clopidogrel at the first day.

Category
Treatment - Drugs

2

Description
Control group:recieved 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