

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

The Effects of Filgrastim on Prognosis of Patients with acute Ischemic Stroke

Protocol summary

Study aim

The Effects of Filgrastim on Prognosis of Patients with acute Ischemic Stroke

Design

Aim of this study is evaluation Filgrastim on Prognosis of Patients with acute Ischemic Stroke. This study is clinical trial and double blind. 84 patients enter referring to emergency department of Valiasr Hospital in Arak with stroke symptoms.

Settings and conduct

This study is clinical trial and double blind. 84 patients enter referring to emergency department of Valiasr Hospital in Arak with stroke symptoms.

Participants/Inclusion and exclusion criteria

Inclusion criteria: 18 years and more; Patients with acute ischemic stroke Exclusion criteria: Drinking alcohol and addict; Incidence of side effects or the sensitivity of the drug; history of blood pressure, diabetes, embolism and DVT; death of the patient 72 hours after entering the emergency room

Intervention groups

We treat patients (42 person) by 150 milligram in 24 hours Filgrastim in 3 days in intervention group. We treat patients (42 person) 150 milligram in 24 hours normal saline in control group.

Main outcome variables

Effects of Filgrastim on prognosis clinical (power paralysis, condition of consciousness, motor status) of patients with acute Ischemic Stroke

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20141209020258N63**

Registration date: **2018-01-22, 1396/11/02**

Registration timing: **registered_while_recruiting**

Last update: **2018-01-22, 1396/11/02**

Update count: **0**

Registration date

2018-01-22, 1396/11/02

Registrant information

Name

Fariba Farokhi

Name of organization / entity

Arak University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 86 3222 2003

Email address

f.farokhi@arakmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2016-06-19, 1395/03/30

Expected recruitment end date

2018-06-20, 1397/03/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Effects of Filgrastim on Prognosis of Patients with acute Ischemic Stroke

Public title

The Effects of Filgrastim on Prognosis of Patients with acute Ischemic Stroke

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

18 years and more Patients with acute ischemic stroke

Exclusion criteria:

Drinking alcohol and addict Incidence of side effects or the sensitivity of the drug History of blood pressure, diabetes, embolism and DVT Death of the patient 72 hours after entering the emergency room

Age

From **18 years** old

Gender

Both

Phase

2-3

Groups that have been masked

- Participant
- Data analyser

Sample size

Target sample size: **84**

Randomization (investigator's opinion)

Randomized

Randomization description

simple randomization with random numbers

Blinding (investigator's opinion)

Double blinded

Blinding description

The patient is not aware of the treatment received. Participant and Analyzer are blind (double blind).

Placebo

Used

Assignment

Parallel

Other design features**Secondary Ids**

empty

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

Ethics committee Arak University Of Medical Sciences

Street address

Vice chancellor for research, Payambar azam complex, Basij square, Sardasht, Arak

City

Arak

Province

Markazi

Postal code

3814957558

Approval date

2016-06-13, 1395/03/24

Ethics committee reference number

IR.ARAK.MU.REC.1395.101

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

acute Ischemic Stroke

ICD-10 code

I63.9

ICD-10 code description

Cerebral infarction, unspecified

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

Hemoglobin

Timepoint

Before and during treatment and 4 weeks after treatment

Method of measurement

blood test

2**Description**

power of the paraplegic organ

Timepoint

Before and during treatment and 4 weeks after treatment

Method of measurement

Physical examination

3**Description**

Awareness status

Timepoint

Before and during treatment and 4 weeks after treatment

Method of measurement

Glasgow Coma Scale

4**Description**

Motion status

Timepoint

Before and during treatment and 4 weeks after treatment

Method of measurement

Physical examination

5**Description**

Hematocrit

Timepoint

Before and during treatment and 4 weeks after treatment

Method of measurement

blood test

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: We treat patients(42 person) by 150 milligram in 24 hours Filgrastim in 3 days in intervention group.

Category

Treatment - Drugs

2

Description

Control group: We treat patients(42 person) 150 milligram in 24 hours normal salin in control group.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Valiasr hospital

Full name of responsible person

Dr Morteza Gharibi

Street address

Valiasr Hospital, Valiasr square, Shahid Shirodi street

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Arak University of Medical Sciences

Full name of responsible person

Dr Aliarash Anoshirvani

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anoshirvani@arakmu.ac.ir

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Arak University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

Academic

Person responsible for general inquiries

Contact

Name of organization / entity

Arak University of Medical Sciences

Full name of responsible person

Dr Morteza Gharibi

Position

Assistant professor, emergency Medicine Specialist

Latest degree

Specialist

Other areas of specialty/work

Emergency Medicine

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Arak University of Medical Sciences

Full name of responsible person

Dr Mohsen Ebrahimimonfared

Position

Assistant professor, Neurologist

Latest degree

Specialist

Other areas of specialty/work

Neurology

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Sharing plan**Deidentified Individual Participant Data Set (IPD)**

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Yes - There is a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

Yes - There is a plan to make this available

Data Dictionary

Yes - There is a plan to make this available

Title and more details about the data/document

When we publish article in journal.

When the data will become available and for how long

After the article is published

To whom data/document is available

researcher in university

Under which criteria data/document could be used

If there are additional questions

From where data/document is obtainable

Dr Ebrahimi Monfared

What processes are involved for a request to access data/document

They have to write letters to the professors and the university.

Comments**Person responsible for updating data****Contact****Name of organization / entity**

Arak University of Medical Sciences

Full name of responsible person

Dr Leila Mirhosseini Ardakani

Position

resident of Emergency Medicine Specialist

Latest degree

Specialist

Other areas of specialty/work

Emergency Medicine

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