

Clinical Trial Protocol

Iranian Registry of Clinical Trials

01 Jul 2026

Investigation the effectiveness and non-effectiveness of Resveratrol neuroprotective material during acute phase of ischemic stroke on neurologic deficiency

Protocol summary

Summary

This study will be done with aim to investigate the effectiveness of Resveratrol neuroprotective material during acute phase of ischemic stroke on neurologic deficiency. This study is a double blind clinical trial. The study population will be included patients with ischemic stroke referring to Imam Reza Hospital. 100 eligible patients will be selected in available method and randomly based on randomized block alternatives will be assigned to two intervention and control groups. Stroke routine treatments will be applied to both groups. The intervention group, in addition to routine stroke treatments, will receive Resveratrol 500 mg daily for 30 days. The control group, in addition to routine stroke treatments, will receive 500 mg of placebo daily for 30 days in the form of powdered capsules. Before starting treatment and time of discharge NIHSS will be measured. The Barthel and MRS tests will be conducted three months later by phone and the effect of Resveratrol on average of blood pressure as well as in different age groups and both sexes are evaluated. Inclusion criteria: Age between 45 and 90 years; Diagnosis of ischemic stroke in MCA territory Exclusion criteria: Pregnancy; Referral of the patient for more than 24 hours after start of symptoms; Patients who have received RtPA; Brain hemorrhage and previous stroke.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016061328430N1**

Registration date: **2017-09-09, 1396/06/18**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2017-09-09, 1396/06/18

Registrant information

Name

Payam Sariaslani

Name of organization / entity

Kermanshah University of Medical Sciences

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Kermanshah University of Medical Sciences

Expected recruitment start date

2017-09-11, 1396/06/20

Expected recruitment end date

2018-01-10, 1396/10/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Investigation the effectiveness and non-effectiveness of Resveratrol neuroprotective material during acute phase of ischemic stroke on neurologic deficiency

Public title

Evaluation of neuroprotective effect of Resveratrol during acute ischemic stroke on neurologic deficit

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Age between 45 and 90 years; Diagnosis of ischemic stroke in MCA territory Exclusion criteria: Pregnancy; Referral of the patient for more than 24 hours after start of symptoms; Patients who have received RtPA; Brain hemorrhage and previous stroke.

Age

From **45 years** old to **90 years** old

Gender

Both

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: **100**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Randomized method based on randomized block alternatives

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Kermanshah University of Medical Sciences

Street address

Vice Chancellor for Research Affairs, Kermanshah University of Medical Sciences, Building No.2, Shahid Beheshti Blvd

City

Kermanshah

Postal code

Approval date

2017-01-25, 1395/11/06

Ethics committee reference number

kums.rec.1395.647

Health conditions studied

1

Description of health condition studied

Ischemic stroke

ICD-10 code

I63

ICD-10 code description

Cerebral infarction

Primary outcomes

1

Description

Blood pressure

Timepoint

Before the start of the study, upon discharge and three months after the discharge

Method of measurement

Using the barometer device

Secondary outcomes

empty

Intervention groups

1

Description

The intervention group, in addition to routine stroke treatments, will receive Resveratrol 500 mg daily for 30 days.

Category

Treatment - Drugs

2

Description

Treatment: drugs Treatment: drugs The control group, in addition to routine stroke treatments, will receive 500 mg of placebo daily for 30 days in the form of powdered capsules.

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Emam Reza Hospital

Full name of responsible person

Dr. Sajedah Asgharzadeh

Street address

Emam Reza Hospital, Parastar Boulevard

City

Kermanshh

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Kermanshah University of Medical Sciences

Full name of responsible person

Koroush Hamzehee

Street address

Vice Chancellor for Research Affairs, Kermanshah University of Medical Sciences, Building No.2, Shahid Beheshti Blvd

City

Kermanshah

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Vice chancellor for research, Kermanshah University of Medical Sciences

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

Kermanshah University of Medical Sciences

Full name of responsible person

Dr. Sajedeh asgharzadeh

Position

Resident of Neurology

Other areas of specialty/work

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Neurologist

Other areas of specialty/work

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Web page address

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