

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

Evaluation of Ritaline's effect on improvement of motor function in patient with acute ischemic stroke

Protocol summary

Summary

Aims: To determine the effect of Ritalin on the improvement of motor function in patients with acute ischemic stroke, **Design:** This was a randomized, double-blind trial on 60 patients with acute ischemic stroke who referred to Imam Reza Hospital from Kermanshah, **Setting and conduct:** After obtaining satisfaction, patients were randomly divided into two groups, separated by a nurse in the placebo group or Ritalin, In addition, both groups are simultaneously undergoing physiotherapy at the same time. Once patients before treatment, then the end of my second week and after treatment, according to the FMS are evaluated performance motion systems, **Participants:** According to the findings of the physical examination and imaging devices (Brain CT) by a neurologist for their acute ischemic stroke is characterized, **Intervention:** patients in the intervention group were given capsules containing 10mg Ritalin, and control group were given capsule which closely resemble capsules containing Ritalin drugs for 14 days, **main outcome variable:** the ability to movement on the basis of FMS in patients before treatment, 2 weeks and 10 weeks after starting treatment.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201404101856N4**

Registration date: **2015-05-03, 1394/02/13**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2015-05-03, 1394/02/13

Registrant information

Name

Dariush Afshari

Name of organization / entity

Kermanshah University of Medical Sciences and Health Services

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Kermanshah University of Medical Sciences

Expected recruitment start date

2015-05-22, 1394/03/01

Expected recruitment end date

2015-08-23, 1394/06/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of Ritaline's effect on improvement of motor function in patient with acute ischemic stroke

Public title

Effect of Ritaline's on motor function in patients with acute ischemic stroke

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: patients with acute ischemic stroke; signed informed consent form and a questionnaire.

Exclusion criteria: patients younger than 45 years (due to the low prevalence CVA) and for different reasons of CVA; patients with GCS <12; people who are allergic to Ritalin; with glaucoma; people with brainstem stroke and stroke cerebeller; who have dementia; with Psychosis; Unstable Arrhythmia; CHF; Unstable Angina; those already have used drugs MAOI and drugs agonists or antagonists, α -adrenergic, who already had CVA and the CVA this problem because they have a disability previous neurological deficit, those based on FMS, score 80-100 have received.

Age

From **45 years** old

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: **60**

Randomization (investigator's opinion)

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

Kermanshah University of Medical Sciences Ethics Committee

Street address

Kermanshah University of Medical Sciences, Shahid Beheshti Bolvar, Kermanshah

City

Kermanshah

Postal code

Approval date

2013-11-05, 1392/08/14

Ethics committee reference number

34187

Health conditions studied

1

Description of health condition studied

Acute ischemic stroke

ICD-10 code

I64

ICD-10 code description

Stroke, not specified as haemorrhage or infarction

Primary outcomes

1

Description

Motor function

Timepoint

Before the intervention, 2 weeks after the intervention, 10 weeks after intervention

Method of measurement

Based on the criteria for FMS

Secondary outcomes

empty

Intervention groups

1

Description

Ritalin, 10 mg capsules orally, once daily for 14 days

Category

Treatment - Drugs

2

Description

Placebo, 10 mg capsules orally, once daily for 14 days

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Reza Hospital

Full name of responsible person

Mohammad Nafar

Street address

Departement of Norologic, Imam Reza Hospital, Sorkhalizheh

City

Kermanshah

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Kermanshah University of Medical Sciences

Full name of responsible person

Farid Najafi

Street address

Vice chancellor for research, Building No. 2 of
Kermanshah University of Medical Sciences,
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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

Arash Bostani

Position

MD, Neurologist

Other areas of specialty/work

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Other areas of specialty/work

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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