

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

Effects of Knee length graduated compression stockings versus thigh length graduated compression stockings in preventing deep vein thrombosis in patients with hemorrhagic stroke.

Protocol summary

Registration timing: **registered_while_recruiting**

Summary

This study has been designed with aim to determine the effects of Knee length graduated compression stockings compared with thigh length graduated compression stockings for prevention of deep vein thrombosis in patients with hemorrhagic stroke. The study was a randomized, not blinded, non-controlled drugs. Population study is included all patients with hemorrhagic stroke, which will hospitalization at intensive care unit. The patients in demographic characteristics for the participate in the study will not be limited and hemorrhagic stroke them after go to the hospital and be diagnosed by a neurologist. Patients will be enrolled that at least exist hemiplegia in the one of the lower extremity. If the patient died during the study period and the lack of cooperation in the use of compression socks, will be excluded. According to the size of the study population on one year in the hospital, on based to a pilot study conducted, which is about 80 people as well as the frequency of deep vein thrombosis in patients, is estimated at nearly 40 cases in each group. The intervention in this study is the randomly use of Knee length graduated compression stockings and thigh length graduated compression stockings in patients with hemorrhagic stroke in the first 10 days diseases. Finally, differences in the impact of Knee length graduated compression stockings and thigh length graduated compression stockings in the prevention of deep vein thrombosis in patients with hemorrhagic stroke will be discussed.

Last update:

Update count: **0**

Registration date

2014-01-17, 1392/10/27

Registrant information

Name

Ehsan Azami

Name of organization / entity

Kashan University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Kashan University of Medical Sciences

Expected recruitment start date

2014-01-01, 1392/10/11

Expected recruitment end date

2014-08-21, 1393/05/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effects of Knee length graduated compression stockings versus thigh length graduated compression stockings in preventing deep vein thrombosis in patients with

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013120815708N1**

Registration date: **2014-01-17, 1392/10/27**

hemorrhagic stroke.

Public title

Comparison of Anti-thrombosis compression socks in prevention of deep vein thrombosis in patients with hemorrhagic stroke.

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: -All patients with hemorrhagic stroke hospitalized at intensive care unit of the hospital Skryh. - There is at least one lower limb hemiplegia patients. - Lack of deep vein thrombosis in first Doppler ultrasound. - Lack of coagulation disorders on admission tests(PT-PTT-INR). - Lack of history of deep vein thrombosis according to patient's history. Exclusion criteria: - The patient died during the study period. - Lack of patient cooperation for using compression socks. - Failure to refer patient for further Doppler ultrasound on tenth day.

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 80

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Kashan University of Medical Sciences

Street address

Kilometer 5, Ghotbe ravandi boulevard

City

kashan

Postal code

87155/111

Approval date

2014-01-01, 1392/10/11

Ethics committee reference number

4076/1/5/29/پ

Health conditions studied

1

Description of health condition studied

Intracerebral haemorrhage

ICD-10 code

I61.9

ICD-10 code description

Intracerebral haemorrhage, unspecified

Primary outcomes

1

Description

Deep vein thrombosis

Timepoint

The first and tenth day after the onset of hemorrhagic stroke

Method of measurement

Clinical signs - Doppler Ultrasound

Secondary outcomes

1

Description

The patient immobilization rate after hemorrhagic stroke

Timepoint

At the time of Admission

Method of measurement

Based on clinical examination and observation

Intervention groups

1

Description

Thigh Length Graduated Compression Stockings /used in ten days, the patient in this study

Category

Prevention

2

Description

Knee Length Graduated Compression Stockings /used in ten days, the patient in this study

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Askarie hospital

Full name of responsible person

Ehsan Azami

Street address

Isfahan

City

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

Kashan University of Medical Sciences

Full name of responsible person

Gholam ali Hamidi

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Isfahan/kashan / 5 km ghotbe Ravandi Boulevard/

Kashan University of Medical Sciences

City

Kashan

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Kashan 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**

Kashan University of Medical Sciences

Full name of responsible person

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Position

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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