

Clinical Trial Protocol

Iranian Registry of Clinical Trials

22 Jun 2026

Evaluating the effect of performing venous compression ultrasonography by emergency department group in comparison with radiology group in managing patients attending to the emergency department of Shariati Hospital in 1393-1394 with suspected deep vein thrombosis

Protocol summary

Summary

The purpose of this study is to compare disposition time in patient suspicious to deep vein thrombosis by venous compression ultrasound exam done by emergency medicine and radiology residents. Study is not blinded randomized clinical trial. 50 patients with suspected lower extremity DVT attending to Shariati Hospital emergency department in 1393-1394, randomly divided to two groups and evaluated by venous compression ultrasound study by emergency medicine resident or radiology resident. The inclusion criteria was: patient informed consent; suspicion to DVT and exclusion criteria was history of Documented DVT by ultrasound exam before coming to emergency department and history of chronic DVT. Mean disposition time (specific treatment initiation or discharge) in these two groups was compared.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016101229220N2**

Registration date: **2016-12-04, 1395/09/14**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2016-12-04, 1395/09/14

Registrant information

Name

Golnaz Bashizadeh Fakhari

Name of organization / entity

Tehran University of Medical Sciences

Country

Iran (Islamic Republic of)

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+98 21 2222 1064

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Recruitment status

Recruitment complete

Funding source

Tehran University of medical sciences

Expected recruitment start date

2014-09-23, 1393/07/01

Expected recruitment end date

2015-09-23, 1394/07/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluating the effect of performing venous compression ultrasonography by emergency department group in comparison with radiology group in managing patients attending to the emergency department of Shariati Hospital in 1393-1394 with suspected deep vein thrombosis

Public title

Effect of ultrasonographic exam by emergency medicine doctors on management time in comparison by radiologists in patients with Dvt in lower extrimitie

Purpose

Diagnostic

Inclusion/Exclusion criteria

Inclusion criteria: Informed consent; suspicion to DVT
Exclusion criteria: History of DVT confirmed by ultrasonography before coming to emergency room; history of chronic DVT

Age

No age limit

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: 50

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**

Tehran University of medical sciences medical ethics committee

Street address

Ghods street, Keshavars ave, Tehran, Iran

City

Tehran

Postal code**Approval date**

2014-05-24, 1393/03/03

Ethics committee reference number

9211307030

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

Deep vein thrombosis

ICD-10 code

I80.2

ICD-10 code description

Phlebitis and thrombophlebitis of other deep vessels of lower extremities Deep vein thrombosis NOS

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

Management time in patients with suspected deep vein thrombosis of the lower extremities

Timepoint

Right after intervention

Method of measurement

Minute

Secondary outcomes

empty

Intervention groups**1****Description**

Deep vein thrombosis ultrasonography by emergency medicine resident

Category

Diagnosis

2**Description**

Deep vein thrombosis ultrasonography by radiology resident

Category

Diagnosis

Recruitment centers**1****Recruitment center****Name of recruitment center**

Shariati hospital

Full name of responsible person

Dr. Arash Fadavi

Street address

Jalal Al Ahmad street, North Kargar street, Tehran, Iran

City

Tehran

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

Vice chancellor for research, Tehran University of Medical Sciences

Full name of responsible person

Dr. Shahin Akhoondzadeh

Street address

Room number 206, Building 1, 1st floor, University of Medical Sciences

City

Tehran
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, Tehran 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
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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