Clinical Trial Protocol
Iranian Registry of Clinical Trials

25 Nov 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 in1393-1394, 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 Fakhar

Name of organization / entity

Tehran University of Medical Sciences

Country

Iran (Islamic Republic of)

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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 vain 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 Akhoond zadeh

Street address
Room number206,Bulding 1,1th 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

Tehran University of medical sciences

Full name of responsible person

Dr.Arash Fadavi

Position

Emergency medicine resident

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