Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

Prevention of deep vein thrombosis in spinal cord injury, mechanical prophylaxis with or with out pharmacological prophylaxies.A randomized controled trial.

Protocol summary

Summary

The aim of this study is to compare the effects of mechanical prophylaxis with or without pharmacological prophylaxis on prevention of deep vein thrombosis in patients with spinal cord injury. This study is a prospective double blind randomized clinical trial and all patients having the inclusion criteria for this study, randomly will set in three groups with 25 cases. We will use respectively for first group (Low Molecular Weight Heparin(Enoxaparin) 40mg daily plus compressive stocking), for second group (Unfractionated Heparin 5000Unit /subcutaneous /two times daily and compressive stocking) and for third group only compressive stocking. Starting to administration of prophylaxis for inpatients, from the first day of hospital stay after hemodynamic stabilizing and will continue until discharge. Inclusion criteria of our study patients are: 1) Patients with spinal cord injury 2)Absence of underlying problems 3)Absence of coagulopathy disorders 4) Renal failure 5) Fractures in other extremities 6) Patients having content to study. If any case who has fractures in other extremities and underlying problems, will exclude from the study. Then we will compare the incidence rate of deep vein thrombosis in hospital stay period between these groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014111119908N1**
Registration date: **2014-12-01, 1393/09/10**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2014-12-01, 1393/09/10

Registrant information

Name
Mohammad Amin Mohammad Zadeh Gharabaghi
Name of organization / entity
Tabriz University of Medical Sciences
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Recruitment status

Recruitment complete

Funding source
Student Research Committee, Tabriz University Of Medical Sciences

Expected recruitment start date

2012-03-20, 1391/01/01

Expected recruitment end date

2014-12-22, 1393/10/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Prevention of deep vein thrombosis in spinal cord injury, mechanical prophylaxis with or with out pharmacological prophylaxies.A randomized controled trial.

Public title

Prevention of deep vein thrombosis in spinal cord injury, mechanical prophylaxis with or with out pharmacological prophylaxies.A randomized controled trial.

Purpose
Prevention
Inclusion/Exclusion criteria
Inclusion criteria of patients: Patients with spinal cord injury; Absence of coagulopathy disorders; Renal failure; Fractures in other extremities; Patients having consent to study
Age
No age limit
Gender
Both

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **75**
Randomization (investigator's opinion)
Randomized
Randomization description
Blinding (investigator's opinion)
Double blinded
Blinding description
Placebo
Not used
Assignment
Parallel
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Tabriz University of Medical Sciences
Street address
Tabriz University of Medical Sciences, Golgasht Ave, Azadi Ave, Tabriz
City
Tabriz
Postal code
51665118
Approval date
2014-01-07, 1392/10/17
Ethics committee reference number
10210101912021

Health conditions studied

1

Description of health condition studied
spinal cord injury
ICD-10 code
T09.3
ICD-10 code description
Injury of spinal cord, level unspecified

Primary outcomes

1

Description
Formation of thrombosis in deep veins
Timepoint
Duration of hospital stay period
Method of measurement
Clinical examination and Doppler sonography

Secondary outcomes

empty

Intervention groups

1

Description
Low Molecular Weight Heparin 40mg daily plus compressive stocking
Category
Prevention

2

Description
Unreactionated Heparin 5000Unit /subcutaneous /two times daily with compressive stocking
Category
Treatment - Drugs

3

Description
compressive stocking
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Imam Reza Hospital
Full name of responsible person
Street address
City
Tabriz

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Tabriz University of Medical Sciences
Full name of responsible person

Mohammad Amin Mohammad Zadeh Gharabaghi

Street address

Tabriz University of Medical Sciences, Golghasht Ave, Azadi Ave, Tabriz

City

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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

Tabriz 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

Tabriz University of Medical Sciences

Full name of responsible person

Dr Ali Meshkini

Position

Professor Of Neuro Surgery

Other areas of specialty/work

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Contact

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Full name of responsible person

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Position

Medical student

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