

Clinical Trial Protocol

Iranian Registry of Clinical Trials

20 Sep 2026

Effects of physiotherapy with and without bonding on prevention of deep vein thrombosis in women undergoing total abdominal hysterectomy

Protocol summary

Study aim

Effects of physiotherapy with and without bonding on prevention of deep vein thrombosis in women undergoing total abdominal hysterectomy

Design

This randomized clinical trial was conducted in parallel with no control group. On the other hand, patients will be divided into control and intervention groups using SPSS software and participants will be blind during the study.

Settings and conduct

Patients will receive their intervention after random allocation in Tabriz Imam Reza Hospital. The person analyzing the data is of a clustered type and is blind during the study.

Participants/Inclusion and exclusion criteria

Inclusion criteria: Candidate hysterectomy by total abdominal method Exclusion criteria: Physiotherapy received in the last month

Intervention groups

Patients will receive the intervention after random assignment in both groups. The physiotherapy group will receive physiotherapy three times (once daily) prior to surgery, and the physiotherapy + bandage group will be closed to the legs after physiotherapy throughout the day.

Main outcome variables

Deep vein thrombosis

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20190325043107N13**

Registration date: **2019-12-04, 1398/09/13**

Registration timing: **prospective**

Last update: **2019-12-04, 1398/09/13**

Update count: **0**

Registration date

2019-12-04, 1398/09/13

Registrant information

Name

Mehdi Khanbabayi Gol

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 41 3334 7054

Email address

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Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-12-06, 1398/09/15

Expected recruitment end date

2020-01-20, 1398/10/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effects of physiotherapy with and without bonding on prevention of deep vein thrombosis in women undergoing total abdominal hysterectomy

Public title

Effects of physiotherapy with and without bandage on prevention of deep vein thrombosis in hysterectomy

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria:

Total abdominal hysterectomy

Exclusion criteria:
Performing physiotherapy in one month

Age
From **35 years** old to **70 years** old

Gender
Female

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **100**

Randomization (investigator's opinion)
Randomized

Randomization description
The dice throw method will be used for randomization.
The even number represents the individual in the intervention group and the individual number represents the individual in the control group.

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

Ethics committee of Tabriz University of Medical Sciences

Street address

Imam Reza Hospital, Azadi Ave

City

Tabriz

Province

East Azarbaijan

Postal code

5165665631

Approval date

2019-03-11, 1397/12/20

Ethics committee reference number

IR.TBZMED.REC.1397.1059

Health conditions studied

1

Description of health condition studied

Deep vein thrombosis

ICD-10 code

I82.40

ICD-10 code description

Acute embolism and thrombosis of unspecified deep veins of lower extremity

Primary outcomes

1

Description

Deep vein thrombosis

Timepoint

Before intervention and after surgery

Method of measurement

Blood tests

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Patients in the physiotherapy group will receive one day of lower extremity physiotherapy three days before surgery. Physiotherapy will be performed by a skilled physiotherapist at Imam Reza Hospital. Specialized tests for the diagnosis of deep vein thrombosis will be performed before the intervention and after surgery. The data analyzer will be blind during the study.

Category

Prevention

2

Description

Intervention group: Patients in this group will be bandaged after physiotherapy and will remain closed throughout the day. This will be done by the researcher. Blood tests for diagnosis of deep vein thrombosis will be performed before and after surgery. The intervention will be at Imam Reza Hospital in Tabriz.

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Reza Hospital

Full name of responsible person

Dara Alvandfar

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Imam Reza Hospital, Azadi Ave

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Tabriz University of Medical Sciences
Full name of responsible person
Abolghasem Jouyban
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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
Public
Domestic or foreign origin
Domestic
Category of foreign source of funding
empty
Country of origin
Type of organization providing the funding
Academic

Person responsible for general inquiries

Contact

Name of organization / entity
Tabriz University of Medical Sciences
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Position
MSc in Nursing Education
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Person responsible for updating data

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Undecided - It is not yet known if there will be a plan to make this available

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available