

Clinical Trial Protocol

Iranian Registry of Clinical Trials

24 Jul 2026

Effect of different doses of Heparin in prophylaxis of Deep vein Thrombosis following laparoscopic bariatric surgery ; A Randomized Clinical Trial

Protocol summary

Summary

In this study different doses of Heparin in prophylaxis of Deep Vein Thrombosis following laparoscopic bariatric surgery will be compared. Pre-operative information will be gathered and baseline assessment will be done in obesity patients who have laparoscopic bariatric surgery and accept the invitation to participate in this study. Those patients who do not show any sign of thrombosis in their first doppler ultrasound, will be allocated into the study groups (group 1 and group 2). Each of the groups 1 and 2 consists of 350 patients which will receive 10000 units and 15000 units Heparin for 14 days, respectively. Color Doppler sonography assessment will be done in order to diagnose femoral, popliteal, and calf vein deep veins thrombosis (DVT). Color Doppler assessment will be performed pre operatively and on the second and tenth post operative days and the results will be recorded in relevant Case Report Forms (patients booklets). After discharge, patients will be followed by the corresponding researcher and information on occurrence of DVT will be documented. The results will be compared in the two groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201008253384N3**
Registration date: **2010-10-05, 1389/07/13**
Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2010-10-05, 1389/07/13

Registrant information

Name

Ameneh Ebrahim Valoojerdi

Name of organization / entity

Endocrine research center

Country

Iran (Islamic Republic of)

Phone

+98 21 8894 5247

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info@lapsurg.ir

Recruitment status

Recruitment complete

Funding source

Iran University of Medical Sciences

Expected recruitment start date

2010-10-23, 1389/08/01

Expected recruitment end date

2012-10-22, 1391/08/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of different doses of Heparin in prophylaxis of Deep vein Thrombosis following laparoscopic bariatric surgery ; A Randomized Clinical Trial

Public title

Effect of different doses of Heparin in prophylaxis of Deep vein Thrombosis following laparoscopic bariatric surgery

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria :Obesity patients who have laparoscopic

bariatric surgery Exclusion criteria: Patients who have positive result of clots in first Doppler ultrasound

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 700

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Iran University of Medical Sciences

Street address

Iran University of Medical Sciences , Hemat highway

City

Tehran

Postal code

Approval date

empty

Ethics committee reference number

1/891

Health conditions studied

1

Description of health condition studied

Deep vein thrombosis

ICD-10 code

I80.0, I80

ICD-10 code description

Phlebitis and thrombophlebitis

Primary outcomes

1

Description

Deep vein thrombosis

Timepoint

Before surgery, two days after surgery, 10 days after surgery

Method of measurement

Doppler sonography

Secondary outcomes

empty

Intervention groups

1

Description

15,000 units heparin 14 days

Category

Treatment - Drugs

2

Description

10000 units heparin 14 days

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Rasoul Akram Hospital

Full name of responsible person

Street address

City

Tehran

2

Recruitment center

Name of recruitment center

Milad Hospital

Full name of responsible person

Street address

City

Tehran

3

Recruitment center

Name of recruitment center

Emam Khomeini Hospital

Full name of responsible person

Street address

City

Tehran

4

Recruitment center

Name of recruitment center

Parsian Hospital
Full name of responsible person
Street address
City
Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Iran University of Medical Sciences
Full name of responsible person
Dr.Maziar Moradi
Street address
Iran University of Medical Sciences - HEMAT highway
City
Tehran

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Iran 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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Full name of responsible person
Mohammad Vaziri
Position
Thoracic surgery fellow ship
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Web page address Person responsible for scientific inquiries

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Contact

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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