# Clinical Trial Protocol
# Iranian Registry of Clinical Trials

16 Sep 2026

## Study the results of using of heparin aspirin protocol to prevent deep vein thrombosis and pulmonary embolism in total knee and hip arthroplasty patients

## Protocol summary

**Study aim**
Aim was evaluation Study the results of using of heparin aspirin protocol to prevent deep vein thrombosis and pulmonary embolism in total knee and hip arthroplasty patients in Shafa Yahyaiean Hospital from 1397 to 1398

**Design**
This evaluation is a phase 3 clinical trial, with patients undergoing orthroscopy and meeting the stated inclusion criteria being considered as a study group. 100 patients based on inclusion criteria are selected. Patients undergo heparin-aspirin protocol after surgery and the results will evaluated.

**Settings and conduct**
The study will be a clinical trial at Shafa Yahyaian Hospital, also it is a non-randomized, non-randomized study.

**Participants/Inclusion and exclusion criteria**
Patients with age over 18 years and consent to participate in the study were enrolled to study, also patients with wound infection, failure to follow up and refer of patients, high risk of thromboembolism and high risk of cardiovascular disease were excluded from the study.

**Intervention groups**
Patients in study in the first 5 days after surgery are treated with heparin 5000 units twice daily and then aspirin 80 tablets take every 12 hours or aspirin 325 tablets take every day and after discharge in accordance with routine visits after 2, 6, 12 and 24 weeks follow-up is done.

**Main outcome variables**
Effect of Heparin-Aspirin protocol

## General information

**Reason for update**

**Acronym**

**IRCT registration information**
IRCT registration number: **IRCT20170109031845N2**
Registration date: **2019-11-23, 1398/09/02**
Registration timing: **registered_while_recruiting**

Last update: **2019-11-23, 1398/09/02**
Update count: **0**

**Registration date**
2019-11-23, 1398/09/02

**Registrant information**

**Name**
Abolfazl Bagerifard

**Name of organization / entity**
Shafa orthopedic hospital

**Country**
Iran (Islamic Republic of)

**Phone**
+98 21 3354 2041

**Email address**
bagheri.a@iums.ac.ir

**Recruitment status**
**Recruitment complete**

**Funding source**

**Expected recruitment start date**
2019-11-21, 1398/08/30

**Expected recruitment end date**
2020-09-21, 1399/06/31

**Actual recruitment start date**
empty

**Actual recruitment end date**
empty

**Trial completion date**
empty

**Scientific title**
Study the results of using of heparin aspirin protocol to

prevent deep vein thrombosis and pulmonary embolism in total knee and hip arthroplasty patients

**Public title**
Effect of Heparin-Aspirin to prevent thrombosis of knee and hip arthroplasty
**Purpose**
Prevention
**Inclusion/Exclusion criteria**
**Inclusion criteria:**
Age over 18 years Consent to participate in the study
**Exclusion criteria:**
Wound infection Failure to follow up and refer of patients High risk of thromboembolism High risk of cardiovascular disease
**Age**
From **18 years** old
**Gender**
Both

**Phase**
3
**Groups that have been masked**
*No information*
**Sample size**
Target sample size: **100**
**Randomization (investigator's opinion)**
N/A
**Randomization description**
**Blinding (investigator's opinion)**
Not blinded
**Blinding description**
**Placebo**
Not used
**Assignment**
Single
**Other design features**

## Secondary Ids

empty

## Ethics committees

### 1

**Ethics committee**
**Name of ethics committee**
Ethics committee of Iran University of Medical
**Street address**
Next to Milad tower, Hammat highway.
**City**
Tehran
**Province**
Tehran
**Postal code**
1799737737
**Approval date**
2019-06-24, 1398/04/03
**Ethics committee reference number**
IR.IUMS.FMD.REC.1398.180

## Health conditions studied

### 1

**Description of health condition studied**
Deep vein thrombosis
**ICD-10 code**
I82.4
**ICD-10 code description**
Acute embolism and thrombosis of deep veins of lower extremity

### 2

**Description of health condition studied**
Pulmonary embolism
**ICD-10 code**
I26
**ICD-10 code description**
Pulmonary embolism

## Primary outcomes

### 1

**Description**
Effect of Heparin-Aspirin protocol
**Timepoint**
One month, two months and one year after surgery
**Method of measurement**
Check list

## Secondary outcomes

empty

## Intervention groups

### 1

**Description**
Intervention group: The first 5 days after surgery with 5000 units of heparin twice daily and then aspirin tablets every 2 hours or sprays tablets daily and after routine discharge after 2, 6, 12 and 24 Patients are followed weekly.
**Category**
Prevention

## Recruitment centers

### 1

**Recruitment center**
**Name of recruitment center**
Shafa Yahyaian Hospital
**Full name of responsible person**
Abolfazl Bagheri Fard
**Street address**
Shafa Orthopedic Hospital, Mojahedin Islam Avenue.
**City**
Tehran

**Province**
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1157637131
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Bagherifard@yahoo.com

## Sponsors / Funding sources

**1**

**Sponsor**
**Name of organization / entity**
Iran University of Medical Sciences
**Full name of responsible person**
Morteza Naserbakht
**Street address**
Iran University of Medical Sciences, Shahid Hemmat Highway
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1449614535
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ivco@iums.ac.ir
**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**
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**
Iran University of Medical Sciences
**Full name of responsible person**
Abolfazl Bagherifard
**Position**
Associate professor
**Latest degree**
Subspecialist
**Other areas of specialty/work**
Orthopedics
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Shafa Orthopedic Hospital, Mojahedin Islam Avenue.
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## Person responsible for scientific inquiries

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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