

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

13 Jun 2026

### Effect of Intravenous methylprednisolon on postoperative pain in patients with intertrochanteric femur fracture

#### Protocol summary

##### Summary

Present study was designed for assessment impact of intravenous methylprednisolon on postoperative pain in Intertrochanteric fracture. 40-70 years patients with Intertrochanteric fracture were included and randomly allocated into the trial and control groups. Thirty minutes before operation, patients received one dosage of methylprednisolon (2 cc, 125 mg) in trial group and 2 cc normal saline (isotonic saline) in control group. Postoperative pain in patients was assessed by VAS at 4, 6, 12, 36 and 48 hours after operation. Nausea and vomiting and CRP level were measured and compared with control group.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2013051113182N1**  
Registration date: **2013-09-21, 1392/06/30**  
Registration timing: **registered\_while\_recruiting**

Last update:

Update count: **0**

##### Registration date

2013-09-21, 1392/06/30

##### Registrant information

###### Name

Amir Bahrami-Ahmadi

###### Name of organization / entity

Iran University of Medical Sciences

###### Country

Iran (Islamic Republic of)

###### Phone

+98 912 496 9707

###### Email address

bahramia@gmail.com

##### Recruitment status

**Recruitment complete**

##### Funding source

Tehran University of Medical Sciences

##### Expected recruitment start date

2012-10-01, 1391/07/10

##### Expected recruitment end date

2014-10-02, 1393/07/10

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Effect of Intravenous methylprednisolon on postoperative pain in patients with intertrochanteric femur fracture

##### Public title

Effect of methylprednisolon on postoperative pain in femur Fracture

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

Inclusion criteria:age between 40-70; having writing and verbal ability; Exclusion criteria:S-A contraindication; Failure in previous S-A; having renal failure;having peptic ulcer; having diabetes I or II; Neuropathy in RA patients that have steroid or immunosuppressive usage in previous 6 months; Marcaine, Methyl prednisolon, fenataniol sensitivity;Alcoholism;smoking/addiction;pregnant women

##### Age

From **40 years** old to **70 years** old

##### Gender

Both

##### Phase

N/A

##### Groups that have been masked

No information

### Sample size

Target sample size: 82

### Randomization (investigator's opinion)

Randomized

### Randomization description

### Blinding (investigator's opinion)

Double blinded

### Blinding description

### Placebo

Used

### Assignment

Parallel

### Other design features

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

##### Name of ethics committee

Tehran Univerisyt of Medical Sciences

##### Street address

TUMS Buliding- Ghods cross road, Keshavarz Blv-  
Tehran,Iran

##### City

Tehran

##### Postal code

##### Approval date

2010-09-23, 1389/07/01

##### Ethics committee reference number

901302138

## Health conditions studied

### 1

#### Description of health condition studied

One sided intertrochanteric femur fracture

#### ICD-10 code

S 72-8

#### ICD-10 code description

Fractures of other parts of femur

## Primary outcomes

### 1

#### Description

postoperative pain

#### Timepoint

at 4,6,12,24,36,48 hours after operation

#### Method of measurement

VAS

## Secondary outcomes

### 1

#### Description

post operative neaseua and vomiting

#### Timepoint

post operative time

#### Method of measurement

via patients observation

## Intervention groups

### 1

#### Description

Intervention in Trial group: intravenous 2 cc equal with  
125 milligrams methylprednisolon (one dosage)

#### Category

Treatment - Drugs

### 2

#### Description

Intervention in Control group: 2 cc normal saline

#### Category

Placebo

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Hazrateh Rasul Akram Hospital

##### Full name of responsible person

Hamid Reza Faiz M.D

##### Street address

Hazrateh Rasul Akram Hospital- Niayesh Street,  
Satarkhan- Tehran,Iran

##### City

Tehran

## Sponsors / Funding sources

### 1

#### Sponsor

##### Name of organization / entity

Tehran University of Medical Sciences

##### Full name of responsible person

Amir Bahrami-Ahmadi

##### Street address

Thran University of Medical Sceinces, Qhods cross  
road, Keshavarz Blv,Tehran, Iran

##### City

Tehran

##### Grant name

##### Grant code / Reference number

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

Yes

##### Title of funding source

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 Hamid Reza Faiz

**Position**

Assistant professor of Anesthesiology group

**Other areas of specialty/work****Street address**Hazrate Rasoul akram hospital- Niayesh street,  
Satarkhan street-Tehran,Iran**City**

Tehran

**Postal code****Phone**

+98 21 64351

**Fax****Email**

hrfaiz@tums.ac.ir

**Web page address****City**

Tehran

**Postal code****Phone**

+98 21 64351

**Fax****Email**

hrfaiz@tums.ac.ir

**Web page address****Person responsible for updating data****Contact****Name of organization / entity**

Tehran University of Medical Sciences

**Full name of responsible person**

Amir Bahrami-Ahmadi

**Position**

Researcher

**Other areas of specialty/work****Street address**Hazrateh Rasul Akram Hospital- Niayesh Street,  
Satarkhan- Tehran,Iran**City**

Tehran

**Postal code****Phone**

+98 912 496 9707

**Fax****Email**

a-bahrami@farabi.tums.ac.ir

**Web page address****Person responsible for scientific inquiries****Contact****Name of organization / entity**

Tehran university of medical sciences

**Full name of responsible person**

Dr Hamid Reza Faiz

**Position**

Assistant professor of anesthesiology group

**Other areas of specialty/work****Street address**Hazrateh Rasul Akram Hospital- Niaiash street,  
Satarkhan street-Tehran,Iran**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*