

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

07 Jul 2026

### A survey on analgesic effects of ultrasonographic transabdominal plane block for postoperative pain control of abdominal hysterectomy

#### Protocol summary

##### Summary

Pain and discomfort after abdominal hysterectomy is high and most of it is due to abdominal incision. Aberrant sensory nerves pass from the fascia between abdominal muscles and with trans-abdominal block we can control pain. We usually use epidural or intravenous narcotics to control pain but these ways have side effects like vomiting. With trans-abdominal block we have a simple way to control pain without entering the epidural space. But unfortunately this method is not well recognized by anesthesiologists, so we decided to do this research and declare its results to anesthesiologists. All patients that have gone under abdominal hysterectomy with pfannenstiel incision and don't have systemic and neurologic diseases will be invited to participate in this study. We will put them randomly in two groups. For the first group we will use trans-abdominal block with pain pump and for other group only pain pump will be used. At 2, 6, 12, 24 and 48 hours after operation we will measure score of pain and satisfaction with Visual Analogue Scale test and Global Clinical Improvement and then we will compare the amount of pain scores and the amount of fentanyl is used in the two groups.

#### General information

##### Acronym

A survey on analgesic effects of trans abdominal block

##### IRCT registration information

IRCT registration number: **IRCT2013021012151N1**

Registration date: **2013-03-10, 1391/12/20**

Registration timing: **registered\_while\_recruiting**

Last update:

Update count: **0**

##### Registration date

2013-03-10, 1391/12/20

#### Registrant information

##### Name

Fariba Almassinokiani

##### Name of organization / entity

Iran University of Medical Sciences

##### Country

Iran (Islamic Republic of)

##### Phone

+98 21 2202 4187

##### Email address

f-almasi@sina.tums.ac.ir

#### Recruitment status

##### Recruitment complete

#### Funding source

Tehran University of Medical Sciences

#### Expected recruitment start date

2013-02-28, 1391/12/10

#### Expected recruitment end date

2014-03-01, 1392/12/10

#### Actual recruitment start date

empty

#### Actual recruitment end date

empty

#### Trial completion date

empty

#### Scientific title

A survey on analgesic effects of ultrasonographic transabdominal plane block for postoperative pain control of abdominal hysterectomy

#### Public title

Effects of transabdominal plane block for postoperative pain control of hysterectomy

#### Purpose

Treatment

#### Inclusion/Exclusion criteria

Inclusion criteria: All of elective abdominal hysterectomies with pfannenstiel incision will enter to our study. Exclusion criteria: If the patient doesn't accept;

local anesthetic drugs allergy; infection on injection site; coagulation disorders; medical disorders that interfere with interpretation of pain; addiction to illicit drugs or alcohol; liver or renal insufficiency; sever obesity.

#### Age

From **15 years** old to **45 years** old

#### Gender

Female

#### Phase

N/A

#### Groups that have been masked

*No information*

#### Sample size

Target sample size: **64**

#### 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

Tehran University of Medical Sciences

##### Street address

Poursina street , Enghelab AVE, Tehran , Iran

##### City

Tehran

##### Postal code

#### Approval date

2012-10-08, 1391/07/17

#### Ethics committee reference number

17543-30-01-91

## Health conditions studied

### 1

#### Description of health condition studied

Analgesic effect of trans abdominal block on post abdominal hysterectomy pain

#### ICD-10 code

Z41.8

#### ICD-10 code description

Other procedures for purposes other than remedying health state

## Primary outcomes

### 1

#### Description

Severity of post operation pain

#### Timepoint

2 and 6 and 12 and 24 and 48 hours after operation

#### Method of measurement

Visual Analogue Scale test

## Secondary outcomes

### 1

#### Description

Amount of patient's satisfaction from after operation analgesia

#### Timepoint

2 and 6 and 12 and 24 and 48 hours after operation

#### Method of measurement

Global Clinical Improvement (GCI) Test

### 2

#### Description

The amount of Fantanyle that will be used for pain pump

#### Timepoint

2 and 6 and 12 and 24 and 48 hours after operation

#### Method of measurement

Micro geram of fantanyle that will be necessary for pain pump

## Intervention groups

### 1

#### Description

Intervention group: we use trans abdominal block with pain pump for post abdominal hysterectomy pain control

#### Category

Other

### 2

#### Description

control group : only using pain pump for control of after operation pain

#### Category

Other

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Rasoul Akram Hospital

##### Full name of responsible person

Dr Farnad Imani

##### Street address

pain ward ; 4th stage ; Rasoul Akram Hospital ;  
Niayesh Street ; Sattarkhan Street

**City**

Tehran

f-almasi@sina.tums.ac.ir

**Web page address**

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## Sponsors / Funding sources

### 1

**Sponsor**

**Name of organization / entity**

Tehran University of Medical Sciences

**Full name of responsible person**

Dr Fariba Almassinokiani

**Street address**

Rasoul Akram Hospital , Niayesh street, Sattarkhan street

**City**

Tehran

**Grant name**

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**Grant code / Reference number**

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**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 Fariba Almassinokiani ; Dr Farnad Imani

**Position**

Obstetrician and Gynecologist ; Anesthesiologist (pain)

**Other areas of specialty/work**

**Street address**

Rasoul Akram Hospital

**City**

Tehran

**Postal code**

1445613131

**Phone**

+98 21 6650 9283

**Fax**

+98 66509283

**Email**

## Person responsible for scientific inquiries

**Contact**

**Name of organization / entity**

Tehran University of Medical Sciences

**Full name of responsible person**

Dr Fariba Almassinokiani ; Dr Farnad Imani

**Position**

Obstetrician and Gynecologist ( Associate profesor) ; Anesthesiologist( Associate profesor)

**Other areas of specialty/work**

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## Person responsible for updating data

**Contact**

**Name of organization / entity**

Tehran University of Medical Sciences

**Full name of responsible person**

Fariba Almassinokiani

**Position**

Gynecologist and Obstetrician and Associate Professor

**Other areas of specialty/work**

**Street address**

Rasoul Akram Hospital ; Niayesh Street ; Sattarkhan Street

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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*