

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

23 Jun 2026

### **Analgesic effect of preoperative Paracetamol after abdominal hysterectomy**

#### **Protocol summary**

##### **Summary**

Pain after abdominal hysterectomy is a multi-factorial moderate to severe pain, so use of different analgesic techniques for appropriate postoperative pain relief have been discussed for many times. One of these approaches is prevention of severe postoperative pain with early administration of analgesics, before surgical intervention and tissues trauma, which called preemptive analgesia. There are controversies about the effect of acetaminophen in preemptive analgesia. The aim of this study is to evaluate the effect of preemptive acetaminophen on postoperative pain relief after abdominal hysterectomy. Following approval from the Local Ethics Committee and receipt of written informed consent, 90 patients who are candidate for abdominal hysterectomy will be enrolled into the study in two groups. group 1 will be received 1 gm acetaminophen in 100 ml normal saline in 30minutes. group 2 will be received only 100 ml normal saline. Pain will be assessed and recorded by Visual Analogue Scale after arrival to the recovery and at 1st, 2, 4, 6,8,12 and 24 th hours postoperatively. Pethidine 0.5-1 mg/kg IV will be administered to the patients with VAS  $\geq$ 4. First analgesic request, total additional petidine doses, and any probable postoperative complications including will be recorded. All data will be statistically analyzed using SPSS v.16.

#### **General information**

##### **Acronym**

##### **IRCT registration information**

IRCT registration number: **IRCT2014012611700N4**  
Registration date: **2014-02-05, 1392/11/16**  
Registration timing: **registered\_while\_recruiting**

Last update:

Update count: **0**

##### **Registration date**

2014-02-05, 1392/11/16

##### **Registrant information**

###### **Name**

Farnaz Moslemi Tabrizi

###### **Name of organization / entity**

Alzahra hospital, Tabriz university of Medical Sciences

###### **Country**

Iran (Islamic Republic of)

###### **Phone**

+98 41 1553 9161

###### **Email address**

moslemif@tbzmed.ac.ir

##### **Recruitment status**

###### **Recruitment complete**

##### **Funding source**

Tabriz University of Medical Sciences

##### **Expected recruitment start date**

2013-03-20, 1391/12/30

##### **Expected recruitment end date**

2014-03-20, 1392/12/29

##### **Actual recruitment start date**

empty

##### **Actual recruitment end date**

empty

##### **Trial completion date**

empty

##### **Scientific title**

Analgesic effect of preoperative Paracetamol after abdominal hysterectomy

##### **Public title**

The Effect of preoperative Intravenous Paracetamol on Postoperative Pain Management after Total Abdominal Hysterectomy

##### **Purpose**

Prevention

##### **Inclusion/Exclusion criteria**

Inclusion criteria: women with 25-80 years old; patients with ASA physical status I,II,III; patients candidate abdominal hysterectomy; patients who have informed consent Exclusion criteria: patients with ASA physical status higher than III; patients with cardiovascular and respiratory disease; patients who had pain and received analgesic

#### **Age**

From **25 years** old to **80 years** old

#### **Gender**

Female

#### **Phase**

N/A

#### **Groups that have been masked**

*No information*

#### **Sample size**

Target sample size: **90**

#### **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**

Vice Chancellor for Research,Tabriz university of Medical sciences

##### **Street address**

Tabriz university of Medical sciences,Golgasht Ave,Tabriz

##### **City**

Tabriz

##### **Postal code**

#### **Approval date**

2013-02-18, 1391/11/30

#### **Ethics committee reference number**

92107

## **Health conditions studied**

### **1**

#### **Description of health condition studied**

acute postoperative pain

#### **ICD-10 code**

R52.0

#### **ICD-10 code description**

Acute pain

## **Primary outcomes**

### **1**

#### **Description**

pain

#### **Timepoint**

immediatly and 2th ,4,6, 8,12,24 postoperatively

#### **Method of measurement**

visual analogue scale (0= non to 10= severe pain) cm)

## **Secondary outcomes**

empty

## **Intervention groups**

### **1**

#### **Description**

Group 1(Intervention) will be received infusion of 1 gm acetaminophen in 100 ml normal saline in 30 minutes.

#### **Category**

Treatment - Drugs

### **2**

#### **Description**

Group 2(control) will be received only infusion of100 ml normal saline

#### **Category**

Treatment - Drugs

## **Recruitment centers**

### **1**

#### **Recruitment center**

##### **Name of recruitment center**

Alzahra Hospital

##### **Full name of responsible person**

Farnaz Moslemi

##### **Street address**

Alzahra Hospital, South Artesh Ave

##### **City**

Tabriz

## **Sponsors / Funding sources**

### **1**

#### **Sponsor**

##### **Name of organization / entity**

Tabriz university of Medical Sciences

##### **Full name of responsible person**

Dr. Farnaz Moslemi

##### **Street address**

Alzahra Hospital, South Ave, Tabriz

##### **City**

Tabriz

**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**  
*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**  
Tabriz University of Medical Sciences  
**Full name of responsible person**  
Dr. Farnaz Moslemi  
**Position**  
Associate Professor of Anesthesiology,  
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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)**  
*empty*  
**Study Protocol**  
*empty*  
**Statistical Analysis Plan**  
*empty*  
**Informed Consent Form**  
*empty*  
**Clinical Study Report**  
*empty*  
**Analytic Code**  
*empty*  
**Data Dictionary**  
*empty*