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 and24 th hours postoperatively. Pethidine 0.5-1 mg/kg IV will be administered to the patients with VAS ≥4. First analgesic request, total additional petidine doses, and any probable postoperative complications including will be recorded. All date 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
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Alzahra hospital, Tabriz university of Medical Sciences
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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

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Tabriz university of Medical Sciences

Full name of responsible person
Dr. Farnaz Moslemi

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Alzahra Hospital, South Ave, Tabriz

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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

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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