

Clinical Trial Protocol

Iranian Registry of Clinical Trials

11 Sep 2026

Evaluation of effectiveness of paracetamol in reducing pain and morphine consumption in patients undergoing laparoscopic cholecystectomy surgery

Protocol summary

Summary

The aim of this study is evaluation of the effect of paracetamol on reducing pain after laparoscopic cholecystectomy surgery. Inclusion criteria : ASA class I ; Age between 18- 50 years. In this prospective double blind randomized study 30 patient were divided in intervention and control group . Exclusion Criteria : Operation less than one hour or more than three hours ; intraoperative bleeding more than 6 ml/kg ; liver or kidney disease ; addiction , alcoholism , ; patient reluctance to participate in the study . In intervention group 10 minutes after induction of anesthesia 1gr Paracetamol in 100ml of 0.9% NaCl was injected intravenously over 15 minutes . In the control group 10 minutes after induction of anesthesia 100 cc 0.9% NaCl was injected intravenously over 15 minutes. pain was recorded at extubation, 15 minutes , 30 minutes , one, two, three, four, five and six hours after extubation based on visual analog score. opioid consumption was recorded after surgery.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2012111511473N1**

Registration date: **2012-12-23, 1391/10/03**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2012-12-23, 1391/10/03

Registrant information

Name

Seyed Ali Sahafi

Name of organization / entity

School of Medicine

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Ahvaz Jundishapur University of Medical Science

Expected recruitment start date

2012-05-09, 1391/02/20

Expected recruitment end date

2012-11-10, 1391/08/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of effectiveness of paracetamol in reducing pain and morphine consumption in patients undergoing laparoscopic cholecystectomy surgery

Public title

Analgesic effect of paracetamol after laparoscopic cholecystectomy surgery

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion Criteria : ASA class I ; Age between 18- 50 years Exclusion Criteria : Operation less than one hour or more than three hours ; intraoperative bleeding more than 6 ml/kg ; liver or kidney disease ; addiction ;

alcoholism ; patient reluctance to participate in the study

Age

From **18 years** old to **50 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **30**

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

Ahvaz Jundishapur University of Medical Sciences

Street address

Shahrak Daneshgah , Golestan

City

Ahvaz

Postal code

Approval date

2011-04-15, 1390/01/26

Ethics committee reference number

ETH-421

Health conditions studied

1

Description of health condition studied

Pain

ICD-10 code

R52.0

ICD-10 code description

Acute Pain

Primary outcomes

1

Description

Postoperative Pain

Timepoint

0 minute, 15 minutes , 30 minutes, 1 , 2 , 3 , 4 , 5 and 6 hours after extubation

Method of measurement

Visual Analogue Scale

Secondary outcomes

1

Description

Nausea and Vomiting

Timepoint

After six hours of extubation

Method of measurement

Frequency

Intervention groups

1

Description

In intervention group 10 minutes after induction of anesthesia 1gr Paracetamol in 100ml of 0.9% NaCl was injected intravenously over 15 minutes

Category

Prevention

2

Description

In the control group 10 minutes after induction of anesthesia 100 cc 0.9% NaCl was injected intravenously over 15 minutes.

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Razi Hospital

Full name of responsible person

Dr Seyed Ali Sahafi

Street address

Felestin Avenue

City

Ahvaz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Ahvaz Jundishapur University of Medical Sciences

Full name of responsible person

Dr Mostafa Fegghi

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Shahrak Daneshgah , Golestan
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Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Ahvaz Jundishapur 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
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Web page address

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