Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Nov 2026

Evaluation of effectiveness of parecetamol 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)

Phone

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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 parecetamol 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 Feghhi

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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

School of Medicine , Ahvaz Jundishapur University of Medical Sciences

Full name of responsible person

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Position

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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