

Clinical Trial Protocol

Iranian Registry of Clinical Trials

02 Jun 2026

Effect of preemptive celecoxib on pain score reduction and opioid consumption following lower extremity Surgery

Protocol summary

Summary

The purpose of this study was to investigate the effect of Celecoxib on post operative pain. A total of 80 patients with leg fracture and ASA class 1 or 2 were randomly assigned to receive 200 mg Celecoxib or placebo 2 hours before operation. VAS score was checked in 2, 6, 12, and 24 hours after operation.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201010284947N2**

Registration date: **2010-11-22, 1389/09/01**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2010-11-22, 1389/09/01

Registrant information

Name

Mohammad Mahdi Dadras

Name of organization / entity

Zahedan University of Medical Sciences and Health Services

Country

Iran (Islamic Republic of)

Phone

+98 54 1341 1260

Email address

dadras@zaums.ac.ir

Recruitment status

Recruitment complete

Funding source

Zahedan University of Medical Sciences and Health Services

Expected recruitment start date

2010-04-21, 1389/02/01

Expected recruitment end date

2010-09-23, 1389/07/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of preemptive celecoxib on pain score reduction and opioid consumption following lower extremity Surgery

Public title

Effect of celecoxib on post operative pain

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: age between 20 and 50 years old, ASA class 1 or 2 Exclusion criteria: weight less than 40 or higher than 100 kg, opium addiction, history of MI, peptic ulcer, renal failure, Aspirin allergy, lithium usage, psychiatric disorder

Age

From **20 years** old to **50 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **80**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded
Blinding description
Placebo
Used
Assignment
Other
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Vice-chancellor for Research and Information
Technology of Zahedan University of Medical
Sciences an

Street address

Zahedan University of Medical Sciences and Health
Services

City

Zahedan

Postal code

Approval date

2010-06-17, 1389/03/27

Ethics committee reference number

83-1241

Health conditions studied

1

Description of health condition studied

fracture of leg

ICD-10 code

T12

ICD-10 code description

Broken leg NOS

Primary outcomes

1

Description

Pain intensity

Timepoint

in 2 and 6 and 12 and 24 hours after operation

Method of measurement

VAS score

Secondary outcomes

1

Description

opioid consumption

Timepoint

24 hr after operation
Method of measurement
Medical records

Intervention groups

1

Description

Celecoxib 200mg, orally, 2 hours before operation

Category

Treatment - Drugs

2

Description

Placebo, orally, 2 hours before operation

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Khatam Al Anbia Hospital

Full name of responsible person

Mohammad Mahdi Dadras

Street address

Anesthesiology Department, Ali Ebn Abitaleb Hospital

City

Zahedan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Zahedan University of Medical Sciences and Health
Services

Full name of responsible person

Dr Masum Khoshfetrat

Street address

Ali Ebn Abitaleb Hospital

City

Zahedan

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Zahedan University of Medical Sciences and Health
Services

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**

Zahedan University of Medical Sciences and Health Services

Full name of responsible person

Mohammad Mahdi Dadras

Position

Anesthesiology Assistant

Other areas of specialty/work**Street address**

Anesthesiology Department, Ali Ebn Abitaleb Hospital-

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Zahedan University of Medical Sciences and Health Services

Full name of responsible person

Masum Khoshfetrat

Position

Anesthesiologist

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Web page address**Person responsible for updating data****Contact****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