

# 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-

**City**

Zahedan

**Postal code****Phone**

+98 54 1341 1260

**Fax****Email**

dadras@zaums.ac.ir

**Web page address****Person responsible for scientific inquiries****Contact****Name of organization / entity**

Zahedan University of Medical Sciences and Health  
Services

**Full name of responsible person**

Masum Khoshfetrat

**Position**

Anesthesiologist

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

Anesthesiology Department, Ali Ebn Abitaleb Hospital

**City**

Zahedan

**Postal code****Phone**

+98 54 1341 1260

**Fax****Email**

dadras@zaums.ac.ir

**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*