

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

A Comparison of the effects of 5% lidocaine and 5% meperidine plus 5% lidocaine on hypotension and duration of analgesia postoperative for cesarean section

Protocol summary

Summary

This study was a Double-blind clinical trial that was to compare the effect combination of meperidine 5% + lidocaine 5% with single lidocaine 5% for spinal anesthesia in non emergency cesarean patients. Inclusion criteria : Elective cesarean, previous cesarean, dystocia , full term pregnant women. Exclusion criteria: emergency cesarean, Preterm delivery. Sample size was determined 25 patients in each group. The study groups included: Spinal anesthesia group 5% meperidine plus 5% lidocaine and other group 5% lidocaine Single. All patient received IV 15 ml/kg Ringers solution 15 minutes prior to block, and IV 10mg metoclopramide just before entering the O.R. Blood pressure Was measured before anesthesia and every five minutes during the operation to end the operation .spo2 Was measured by Pulse Oxy-meter. The time interval between injection of anesthetic and analgesic injections calculated were recorded as minute as the duration of analgesia

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201108286808N3**

Registration date: **2012-06-02, 1391/03/13**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2012-06-02, 1391/03/13

Registrant information

Name

Maryam Tolyat

Name of organization / entity

Mashhad University of Medical Sciences

Country

Iran (Islamic Republic of)

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Email address

tolyatm@bums.ac.ir

Recruitment status

Recruitment complete

Funding source

Zahedan University of Medical Sciences

Expected recruitment start date

2008-09-05, 1387/06/15

Expected recruitment end date

2009-03-05, 1387/12/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

A Comparison of the effects of 5% lidocaine and 5% meperidine plus 5% lidocaine on hypotension and duration of analgesia postoperative for cesarean section

Public title

A Comparison of the effects of 5% lidocaine and 5% meperidine plus 5% lidocaine on hypotension and duration of analgesia postoperative in cesarean section for spinal anesthesia

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria : Elective cesarean, previous cesarean, dystocia , full term pregnant women. Exclusion criteria: emergency cesarean, Preterm delivery.

Age

No age limit

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 50

Randomization (investigator's opinion)

Randomized

Randomization description**Blinding (investigator's opinion)**

Double blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Zahedan University of Medical Sciences

Street address

University of Medical Sciences-Pardis- Square Doctor
Hesabi- Zahedan- Iran

City

Zahedan

Postal code

98167-43463

Approval date

2008-08-19, 1387/05/29

Ethics committee reference number

7247

Health conditions studied**1****Description of health condition studied**

non-emergency caesarean

ICD-10 code

O82.0

ICD-10 code description

Delivery by elective caesarean section

Primary outcomes**1****Description**

duration of post operative analgesia

Timepoint

Upon the occurrence of pain after surgery

Method of measurement

Pain recorded in form the precisely

2**Description**

Hypotention

Timepoint

Prior to spinal anesthesia - Every 5 minutes during
surgery until the end of surgery

Method of measurement

The mercury manometer

Secondary outcomes

empty

Intervention groups**1****Description**

Intervention group: injection 5%meperidine1.25 mg/kg
and 5% heavy lidocaine 60-75 mg for spinal anesthesia

Category

Treatment - Drugs

2**Description**

Control group: injection 5% heavy lidocaine alone60-75
mg for spinal anesthesia

Category

Treatment - Drugs

Recruitment centers**1****Recruitment center****Name of recruitment center**

Zahedan University of Medical Sciences

Full name of responsible person**Street address**

Zahedan University of Medical Sciences-Pardis-
Square Doctor Hesabi- Zahedan- Iran

City

Zahedan

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Zahedan University of Medical Sciences

Full name of responsible person

mahdi Mohamadi

Street address

Zahedan University of Medical Sciences-Pardis-Square Doctor Hesabi- Zahedan- Iran

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

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

Birjand University of Medical Sciences

Full name of responsible person

Maryam Tolyat

Position

Msc

Other areas of specialty/work

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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