Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Comparative Evaluation of Spinal Analgesia Versus Epidural Analgesia In Pregnant Patients

Protocol summary

Summary

In this research we try to use a RCT to compare analgesia of spinal versus epidural analgesia to decrease delivery pain in pregnant women.The goal of this research is to compare two procedures.finally evaluate the best procedure for analgesia of delivery in all pregnant womens.Two groups of spinal and epidural patients in 100 pregnant women, for spinal procedure we use needle 25 gauge in L4 or L5 lumbar space and for epidural procedure we use needle 17 gauge with loss of Resistance technique for injection.variants in this research includes hypotension,duration of analgesia,visual analouge scale,evaluation of consciousness,itching ans etc.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016042927667N1**
Registration date: **2016-06-16, 1395/03/27**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2016-06-16, 1395/03/27

Registrant information

Name

Abbas Ahmadi

Name of organization / entity

Kermanshah University of Medical Science

Country

Iran (Islamic Republic of)

Phone

+98 918 859 6723

Email address

abbas.ahmadi@kums.ac.ir

Recruitment status

Recruitment complete

Funding source

Kermanshah University of Medical Science

Expected recruitment start date

2015-01-20, 1393/10/30

Expected recruitment end date

2016-01-20, 1394/10/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparative Evaluation of Spinal Analgesia Versus Epidural Analgesia In Pregnant Patients

Public title

Comparative Evaluation of Spinal Analgesia Versus Epidural Analgesia In Pregnant Patients

Purpose

Health service research

Inclusion/Exclusion criteria

inclusion criteria:all pregnant women exclusion criteria:1-any history of addiction 2-INR more than1/4 3.platelet count less than 100000 4-any acceptance to stay in each stage of survey

Age

No age limit

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **100**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Kermanshah University of Medical Sciense

Street address

Number 2 deparment of Kermanshah University of Medical Sciense , Shahid behest Boulevard, Kermanshah

City

Kermanshah

Postal code

6718754399

Approval date

2015-12-01, 1394/09/10

Ethics committee reference number

KUMS.REC.1394.464

Health conditions studied

1

Description of health condition studied

ANESTHESIA BLOCK AND DELIVERY

ICD-10 code

O74.6

ICD-10 code description

Other complications of spinal and epidural anaesthesia during labour and delivery

Primary outcomes

1

Description

DUE TO QUESTIONAIR OF VISUAL ANALOGUE SCALE

Timepoint

EVALAUATION DUE TO SERIAL MINUTES 5/15/30/45/60/90/120/150

Method of measurement

PATIENTS ATTETUDE OF PAIN RELIEFE

Secondary outcomes

1

Description

EVALUATION OF NAUSEA AND VOMITING DURING PROCEDURE

Timepoint

AT THE END OF PROCEDURE

Method of measurement

IN THE QUESTIONAIRE

Intervention groups

1

Description

in this research we try to use a RCT to compare analgesia of two types of procedures to decrease delivery pain in pregnant women.intervention group include 50 pregnant patients in spinal group. we inject 1/5 milliliter bupivacaueine ./05 % with needle 25 gauge in L4 or L5 lumbar space .

Category

Treatment - Other

2

Description

in this research we try to use a RCT to compare analgesia of two types of procedures to decrease delivery pain in pregnant women.control group include 50 pregnant patients in epidural group. we inject 10 milliliter bupivacaueine ./01 % with needle 17 gauge in L4 or L5 lumbar space .

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

IMAM REZA HOSPITAL KERMANSHAH

Full name of responsible person

Abbas Ahmadi

Street address

Education unit,Imam Reza Hospital,Kermanshah

City

Kermanshah

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor for Research, Kermanshah University of Medical Science

Full name of responsible person

Farid Najafi

Street address

The Central Building of Kermanshah University of Medical Science,Beheshti Bolv,Kermanshah6715847141

City

Kermanshah

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Vice Chancellor for Research, Kermanshah University of Medical Science

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

Kermanshah University of Medical Science

Full name of responsible person

Abbas Ahmadi

Position

Resident of Anesthesia

Other areas of specialty/work

Street address

The Central Building of Kermanshah University of Medical Science,Beheshti Bolv,Kermanshah6715847141

City

Kermanshah

Postal code

6718754399

Phone

+98 84 4727 8161

Fax

Email

abbas.ahmadi@kums.ac.ir

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Kermanshah University of Medical Science

Full name of responsible person

Javad Aminisaman

Position

Assistant Professor

Other areas of specialty/work

Street address

The Central Building of Kermanshah University of Medical Science,Beheshti Bolv,Kermanshah6715847141

City

Kermanshah

Postal code

6718754399

Phone

+98 83 3727 8161

Fax

+98 83 3427 6343

Email

javad.aminisaman@kums.ac.ir

Web page address

http;//www.kums.ac.ir

Person responsible for updating data

Contact

Name of organization / entity

Kermanshah University of Medical Science

Full name of responsible person

Abbas Ahmadi

Position

Resident ao Anesthesia

Other areas of specialty/work

Street address

The Central Building of Kermanshah University of Medical Science,Beheshti Bolv,Kermanshah6715847141

City

Kermanshah

Postal code

6718754399

Phone

+98 83 3727 8161

Fax

+98 83 3727 8161

Email

abbas.ahmadi@kums.ac.ir

Web page address

http/;www.kums.ac.ir

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