Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

Comparison position of tilt of Pelvic and position of tilt of Position in intrauterine resuscitation during spinal anesthesia for cesarean section

Protocol summary

Summary

This study is a double blind clinical trial. One hundred patients admitted for non-emergency cases to Taleghani hospital in Arak. Inclusion criteria: ASA I, II, age: 20-35, BMI: nineteen to twenty-six Exclusion criteria: fetal distress, symptoms for start delivery, multiple pregnancy , hypertension, preeclampsia, intrauterine growth restriction, contraindication for spinal anesthesia, polyhydramnius, macrosomia. In first, researcher obtained demographic information and vital signs and arterial oxygen saturation from all patients. Then, researcher injected Ringer serum 10 ml per kg and 10 mg Metoclopramide and 50 mg Ranitidine, as premedication 15 minutes before surgery. Patients were allocated randomly (simple random) into two groups (pelvic tilt and tilt beds by 15 degrees). Spinal anesthesia was done in the space between the vertebrae of the L3-L4 or L4-L5 with needle 26 and 12.5 mg of Buivacaine injected in 15 seconds in the subarachnoid space. The patients were divided according to their group‘s position. Sensational block was investigated every 1 min after anesthesia and motor block measured by Bromeg scale. Time of sensational block were recorded in T10 and highest Dermatomes block in 15 minutes. Mean arterial blood pressure, heart rate and arterial oxygen saturation were measured every 5 minutes to end of surgery. The fetal Apgar scores were recorded at first and fifth minute after delivery.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015121325509N1**
Registration date: **2016-01-04, 1394/10/14**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2016-01-04, 1394/10/14

Registrant information

Name

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Name of organization / entity

Arak University of Medical Sciences and Health Services

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Recruitment status

Recruitment complete

Funding source

Arak University of Medical Sciences and Health Services

Expected recruitment start date

2015-12-15, 1394/09/24

Expected recruitment end date

2017-12-15, 1396/09/24

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison position of tilt of Pelvic and position of tilt of Position in intrauterine resuscitation during spinal anesthesia for cesarean section

Public title

Effect of position during spinal anesthesia for cesarean section

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: ASA I, II, age 20-35, BMI nineteen to twenty-six Exclusion criteria: fetal distress, symptoms for start delivery, multiple pregnancy , hypertension, preeclampsia, intrauterine growth restriction, contraindication for spinal anesthesia, polyhydramnius, macrosomia

Age

From **20 years** old to **35 years** old

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)

Double blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

In blindness patient and analyzer do not know information of classification of groups. Randomization done two groups by random number method.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Arak University of Medical Sciences and Health Services

Street address

Research Center, Payambar azam educational complex , Basij square, Sardasht

City

Arak

Postal code

38481-7-6941

Approval date

2015-06-29, 1394/04/08

Ethics committee reference number

IR.ARAKMU.REC.1394.70

Health conditions studied

1

Description of health condition studied

Intrauterine Resuscitation during Spinal Anesthesia for Caesarian Section

ICD-10 code

O82.0

ICD-10 code description

Delivery by elective caesarean section

Primary outcomes

1

Description

arterial blood pressure

Timepoint

Every five minutes after intervention until end of surgery

Method of measurement

Barometer

2

Description

Heart rate

Timepoint

Every 5 minutes after intervention until end of surgery

Method of measurement

Pulse counting

3

Description

Arterial oxygen saturation

Timepoint

Every 5 minutes after intervention until end of surgery

Method of measurement

Pulse oximetry

4

Description

Apgar in neonate

Timepoint

First and fifth minute after end of surgery

Method of measurement

Apgar questionnaire

5

Description

Time of sensational block in T10

Timepoint

15 minutes after intervention

Method of measurement

chronometer

6

Description

time of Highest Dermatomes block

Timepoint

15 minutes after intervention

Method of measurement
chronometer

Secondary outcomes

empty

Intervention groups

1

Description
patient lying supine and a pillow placed under the right hip .it is 15 degrees of tilt of pelvic of patient.
Category
Treatment - Other

2

Description
researcher will put tilt angle of bed to 15 degrees to left
Category
Treatment - Other

Recruitment centers

1

Recruitment center
Name of recruitment center
Taleghani Hospital
Full name of responsible person
Dr Ali Khanidokht
Street address
Emam Khomeini street
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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice chancellor for research, Arak University of Medical Sciences and Health Services
Full name of responsible person
Dr Mohammad Rafiee
Street address
Research Center, Payambar azam educational complex, Basij square, Sardasht
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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
Vice chancellor for research, Arak 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
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Person responsible for updating data

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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