

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

The comparison of propofol with thiopental as induction drug on neonatal Apgar during elective cesarean section

Protocol summary

Summary

The purpose of this study was to investigate the effect of induction type on newborn Apgar score. In this study, 230 women with ASA class 1 or 2 undergoing cesarean section were assigned to receive induction with either thiopental or propofol. Apgar score of newborns was checked at once and at the fifth minutes after birth and compared between groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201010164947N1**

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

2010-07-23, 1389/05/01

Expected recruitment end date

2010-11-22, 1389/09/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The comparison of propofol with thiopental as induction drug on neonatal Apgar during elective cesarean section

Public title

Induction effect on newborn Apgar score

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: ASA class 1 or 2, age between 20 -40 years old, weight between 40 -100 kg Exclusion criteria: hypertension, diabetes, opium addiction, heart disease, allergy

Age

From **20 years** old to **40 years** old

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **230**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Not 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 Pardis of Medical sciences and
Health Services

City

Zahedan

Postal code

Approval date

empty

Ethics committee reference number

89-1158

Health conditions studied

1

Description of health condition studied

Elective cesarean section

ICD-10 code

O82.0

ICD-10 code description

Delivery by elective caesarean section

Primary outcomes

1

Description

Apgar score

Timepoint

at 1 and 5 minutes after birth

Method of measurement

Examination

Secondary outcomes

1

Description

nausea & vomiting of the mother

Timepoint

continuously

Method of measurement

Observation and asking the patients

2

Description

recovery

Timepoint

continuously

Method of measurement

examination

Intervention groups

1

Description

Administration of Propofol, 2mg/kg, and s.coline, 1.5
mg/kg, IV, then intubation and administration of
Atracurrium, 0.5 mg/kg

Category

Other

2

Description

Administration of thiopental, 5mg/kg, and s.coline, 1.5
mg/kg, IV, then intubation and administration of
Atracurrium, 0.5 mg/kg

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Ali Ebn Abitaleb 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

Maziar Mahjoobifard

Street address

Anesthesiology Department, 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

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Person responsible for scientific inquiries

Contact

Name of organization / entity

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Mazyar Mahjoobifard

Position

Anesthesiologist

Other areas of specialty/work

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-

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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