

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Propofol or sodium thiopental in patients undergoing reproductive assisted technologies: comparative efficacy in hemodynamic recovery from anesthesia and outcome of oocyte retrieval

Protocol summary

Summary

This study aimed at investigating the side effects, hemodynamic effects, and pregnancy outcome of the drugs. During this double blinded randomized controlled trial study, The patients were assigned to two equal groups (each 45) with one receiving Thiopental and the other Propofol as the anesthetic. The Thiopental and Propofol groups were respectively induced with 5mg/kg of Thiopental Sodium and 2.5 mg/kg of Propofol and. The entry Hemodynamic parameters of the patients were documented. During the anesthesia process, Hemodynamic parameters were checked at five-minute intervals. Also, after punctuation at 0-5-10 minutes.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201303135393N2**

Registration date: **2013-05-14, 1392/02/24**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2013-05-14, 1392/02/24

Registrant information

Name

Hamid Reza Soltani.G

Name of organization / entity

Yazd Islamic Azad University, Medical Society of Medicine

Country

Iran (Islamic Republic of)

Phone

+98 35 1623 1817

Email address

hrsgmed@yahoo.com

Recruitment status

Recruitment complete

Funding source

Shahid Sadoughi University of medical sciences and health services.

Expected recruitment start date

2012-04-27, 1391/02/08

Expected recruitment end date

2013-01-20, 1391/11/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Propofol or sodium thiopental in patients undergoing reproductive assisted technologies: comparative efficacy in hemodynamic recovery from anesthesia and outcome of oocyte retrieval

Public title

Effects of Propofol or sodium thiopental on treatment outcomes in patients undergoing reproductive assisted technologies

Purpose

Treatment

Inclusion/Exclusion criteria

(inclusion criteria: lack of infertility problems in the women and the presence of fertility problems in their husbands; Informed consent) (Exclusion criteria: History of Hypertension; chronic respiratory diseases; thyroid disorders; severe side effects of drugs during the experiment)

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: **90**

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

Ethic committee, reproductive and infertility reseach center, Yazd

Street address

Infertility research center of Shahid Sadoughi University of medical sciences and health services, Yazd, Iran

City

Yazd

Postal code

Approval date

2012-03-07, 1390/12/17

Ethics committee reference number

3763

Health conditions studied

1

Description of health condition studied

Female infertility

ICD-10 code

N97.4

ICD-10 code description

Female infertility associated with male factors

Primary outcomes

1

Description

Systolic blood pressure

Timepoint

5, 10, 15, 20 minutes after sedation

Method of measurement

mmHg

2

Description

Diastolic blood pressure

Timepoint

before sedation

Method of measurement

mmHg

3

Description

Heart rate

Timepoint

before sedation

Method of measurement

mmHg

4

Description

Respiratory rate

Timepoint

before sedation

Method of measurement

counting

5

Description

Rapid response to vocal stimulant

Timepoint

5, 10, 15 and 20 minutes after anesthesia

Method of measurement

observation

6

Description

Vommiting

Timepoint

After Anesthesia

Method of measurement

Observation

Secondary outcomes

empty

Intervention groups

1

Description

propofol

Category

Treatment - Drugs

2

Description

sodium thiopental

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Research center of infertility, Yazd University of medical sciences and health sciences

Full name of responsible person

Dr Mohammad Dehghan

Street address

City

Yazd

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Yazd University of medical sciences

Full name of responsible person

Reza Jooya

Street address

Yazd

City

Yazd

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Yazd 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

Shahid Sadoughi University of medical sciences

Full name of responsible person

Mohammad Dehghan Tezerjani

Position

Resident of anesthesia

Other areas of specialty/work

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Person responsible for scientific inquiries

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Name of organization / entity

Shahid Sadoughi University of medical sciences and health services

Full name of responsible person

Mohammad Hossein Jarahzadeh

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Anesthesiologist

Other areas of specialty/work

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Full name of responsible person

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Position

General physician

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