Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Nov 2026

Comparison the effect of general anesthesia with Sevofluran, Isoflorane and Propofol in decreasing nausea and vomiting after surgery

Protocol summary

Summary

The aim of this study is to compare the effects of general anesthesia with ,Sevoflurane , Isoflurane and Propofol on the incidence of nausea and vomiting after cataract surgery. Inclusion criteria included patients 50 to 70 years and candidate for elective surgery cataract and exclusion criteria included a ,history of nausea and vomiting after general anesthesia ,history of motion sickness ,severe hypoxia during anesthesia ,prolonged anesthesia ,using ketamine drug ,atvmydat(during general anesthesia) Ranitidine ,Metoclopramide ,severe anxiety and severe obesity. In this study,150people of patients randomized and double blind ,divided into three groups of sevoflurane(50 people),isoflurane(50 people)and propofol(50people).to all patients before induction of general anesthesia per.kg,7cc serum ringer is infusion. 0.5 mg atrakvrym and 1.5 mcg mgr fentanyl are used for induction of anesthesia in all three groups of 3mg of sodium thiopental is used. In order to continue anesthesia in first group of 1/5mac sevoflurane and%50of oxygen and nitrogen oxide ,in second group of 1.5 isoflurane of propofol and %50 nitrogen oxide and oxygen, in third group of infusion of propofol and %50nitrogen oxide and oxygen are used. After surgery , patients of:1- no nausea,2-nausea expression in question,3-incidence of nausea ,4-nausea and vomiting associated ,in three round (recovery , 3 hours and 6 hours after surgery) are examined.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201210035543N8**
Registration date: **2012-11-17, 1391/08/27**
Registration timing: **prospective**

Last update:
Update count: **0**

Registration date

2012-11-17, 1391/08/27

Registrant information

Name
Saeide Heidari
Name of organization / entity
School nursing and midwifery, Qom University of Medical Sciences
Country
Iran (Islamic Republic of)
Phone
+98 25 1292 4521
Email address
sheidari@muq.ac.ir

Recruitment status

Recruitment complete

Funding source

Qom University of Medical Sciences

Expected recruitment start date

2013-02-19, 1391/12/01

Expected recruitment end date

2014-02-20, 1392/12/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison the effect of general anesthesia with Sevofluran, Isoflorane and Propofol in decreasing nausea and vomiting after surgery

Public title

Comparison the effect of general anesthesia with Sevofluran, Isoflorane and Propofol in decreasing nausea and vomiting after surgery

Purpose
Other
Inclusion/Exclusion criteria
Exclusion criteria :history of nausea and vomiting after general anesthesia; history of motion sickness;severe hypoxia during anesthesia prolonged anesthesia; using ketamine drugs atvmydat;ranitidine ;metoclopramide ;severe anxiety and severe obesity. Also, due to interference with the metabolism of isoflurane;Phenobarbital;phenytoin; ethanol and isoniazed.non-using of these drugs as well as other condition are considered for the study. Inclusion criteria, all patients 50 to 70 years admitted for cataract surgery to kamkar hospital.
Age
From **50 years** old to **70 years** old
Gender
Both

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **150**
Randomization (investigator's opinion)
N/A
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
Qom University of Medical Science
Street address
Qom University of Medical Science ,Lavasani st ,Qom
City
Qom
Postal code
3713649373
Approval date
2012-09-26, 1391/07/05
Ethics committee reference number
11235/34/پ

Health conditions studied

1

Description of health condition studied
Nausea and vomiting
ICD-10 code
R11
ICD-10 code description
Nausea and vomiting

Primary outcomes

1

Description
Nausea and vomiting
Timepoint
Recovery 3 hour and 6 hour after surgery
Method of measurement
Visual and questions

Secondary outcomes

1

Description
Blood pressure
Timepoint
Recovery 3 and 6 hour after surgery
Method of measurement
Monitoring

Intervention groups

1

Description
Group 1: before induction of general anesthesia, all patients per kilogram of body weight,7cc of ringers saline is infusion. 0.5 mg Atracurim and 1.5 µ/gr fentanyl used for induction of anesthesia in all three groups of 3mg of sodium thiopental is used. In order to continue anesthesia , in first group of 1.5 mac sevoflurane and %50 nitrogen oxide and oxygen is used
Category
Treatment - Drugs

2

Description
Group2: before induction of general anesthesia, all patients per kilogram of body weight,7cc of ringers saline is infusion. 0.5 mg Atracurim and 1.5 µ/gr fentanyl used for induction of anesthesia in all three groups of 3mg of sodium thiopental is used. In order to continue anesthesia , in second group of 1.5 mac isoflurane and %50 nitrogen oxide and oxygen is used
Category
Treatment - Drugs

3

Description

Group3: before induction of general anesthesia, all patients per kilogram of body weight,7cc of ringers saline is infusion. 0.5 mg Atracurim and 1.5 µ/gr fentanyl used for induction of anesthesia in all three groups of 3mg of sodium thiopental is used. In order to continue anesthesia , in third group of infusion of propofol and %50 nitrogen oxide and oxygen is used

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Kamkar hospital

Full name of responsible person

Dr.Mohammad Hossein Pishvaey

Street address

City

Qom

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Qom University of Medical Science

Full name of responsible person

Dr Alireza Koohpaei

Street address

Qom University of Medical Science ,Lavasani st ,Qom

City

Qom

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Qom 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

Qom University of Medical Science

Full name of responsible person

Dr.Mohammad Hossein Pishvaey

Position

Phd Anesthesia

Other areas of specialty/work

Street address

Qom University of Medical Science

City

Qom

Postal code

Phone

+251 2923957

Fax

Email

mkoohbor68@yahoo.com

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Qom University of Medical Science

Full name of responsible person

Dr.Mohammad Hossein Pishvaey

Position

Phd Anesthesia

Other areas of specialty/work

Street address

Qom University of Medical Science, Lavasani st ,Qom

City

Qom

Postal code

Phone

+98 25 1292 3957

Fax

Email

mkoohbor68@yahoo.com

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Qom University of Medical Science

Full name of responsible person

Mohhammad Koohbar

Position

Anesthesiology expert

Other areas of specialty/work

Street address

Qom University of Medical Science

City

Qom

Postal code

Phone

+98 25 1292 3957

Fax

Email

mkoohbor68@yahoo.com

Web page address

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