Clinical Trial Protocol
Iranian Registry of Clinical Trials

14 Sep 2026

Comparison of surgical condition and bleeding during propofol or isofluran anesthesia for endoscopic sinus injury

Protocol summary

Summary

Various maneuvers are used to achieve the ideal operative field necessary for successful endoscopic sinus surgery and decreased complications. controlled hypotension is one way that used to improve surgical conditions during endoscopic sinus surgery (mean arterial pressure 60-70mmHg) short acting anesthetics such as propfol and remifentanil allow control of intraoperative deliberated hypotension and thus might be valuable tools to compare with (traditional) balances anesthesia. The aim of this study is to compare the surgical field in patients in whom intravenous anesthesia is used as apposed to balanced general anesthesia. For this reason in a patient-observer blind randomized clinical trial 44 patients from 15 to 45 years old that scheduled for endoscopic sinus surgery will select (after explaining the process of the trial, written informed consent obtained from participants). Then they will divide into two groups randomly, for the first group total intravenous anesthesia propofol 50mic/ kg/min+ remifentanil 0.1 mic/kg/min), second group (Isofluran 0.6%) and surgical condition and intraoperative bleeding will be recorded and then analyzed.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201102081138N7**
Registration date: **2011-03-14, 1389/12/23**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2011-03-14, 1389/12/23

Registrant information

Name

Fataneh Bakhshi

Name of organization / entity

Guilan University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Guilan University of Medical Sciences, Vice Chancellor for Research

Expected recruitment start date

2010-06-13, 1389/03/23

Expected recruitment end date

2011-12-21, 1390/09/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of surgical condition and bleeding during propofol or isofluran anesthesia for endoscopic sinus injury

Public title

Comparison of propofol or isofluran anesthesia for sinus surgery

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: Patients candidated for elective endoscopic sinus surgery (15-45yr); ASA class I,II; Patients with completely treated nose and sinus

infections Exclusion criteria: History of hemorrhagic disease; Seizure; Drugs that affect on the surgical homeostasis; Anemia (Hb <10); Poor controlled cerebrovascular accident; History of significant CAD; Arrhythmia; Liver or kidney dysfunction; Electrolyte or metabolic abnormalities; COPD; Severe asthma or other severe respiratory disease; History of PUD; Pregnancy

Age
From **15 years** old to **45 years** old

Gender
Both

Phase
2-3

Groups that have been masked
No information

Sample size
Target sample size: **44**

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 of Guilan University of Medical Sciences

Street address
Siadati st.

City
Rasht

Postal code

Approval date
2010-06-12, 1389/03/22

Ethics committee reference number
572

Health conditions studied

1

Description of health condition studied
Chronic Sinusitis

ICD-10 code
J32.9

ICD-10 code description
Chronic sinusitis, unspecified

Primary outcomes

1

Description
Surgical field condition

Timepoint
Every 15 minutes

Method of measurement
With table

Secondary outcomes

1

Description
Intraoperative bleeding percent

Timepoint
Every 15 minutes Intraoperatively

Method of measurement
Maximum allowable blood loss formula

Intervention groups

1

Description
Group A) propofol (50/mg/kg/min) + remifentanyl (0/1 mg/kg/min) group

Category
Treatment - Drugs

2

Description
Group B) Insofluran group (0-0/6%)

Category
Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center
Amiralmomenin Hospital

Full name of responsible person
Dr Sudabeh Haddadi

Street address
17 Shahrivar st.

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Guilan University of Medical Sciences, Vice Chancellor for Research

Full name of responsible person
Susan Komaii
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Siadati st.
City
Rasht
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Guilan University of Medical Sciences, Vice Chancellor for Research
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
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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