

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

Comparison of target-controlled infusion of remifentanyl Vs sufentanil in blunting hemodynamic responses of orotracheal intubation.

Protocol summary

Summary

ASA class I-II patients aged 18-60 who need orotracheal intubation for 40 surgical operations requiring general anesthesia will be enrolled in the study and randomly allocated into two groups. Patients with chronic use of opioids or sedatives and probable difficult intubation will be excluded. In the first group(R group) after induction of anesthesia with target controlled infusion of propofol and receiving of BIS to 45-60 remifentanyl infusion will be started with target controlled infusion method and 4ng/ml as effect site target concentration. In the second group(S group) sufentanil will be infused instead of remifentanyl with 0.2 ng/ml as effect site target concentration. Blood pressure and heart rate will be measured and compared in two groups in 4 different time points.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138710011361N3**

Registration date: **2009-01-12, 1387/10/23**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2009-01-12, 1387/10/23

Registrant information

Name

Naser Yeganeh

Name of organization / entity

Kermanshah University of Medical Sciences and Health Services

Country

Iran (Islamic Republic of)

Phone

4276309 831 98+

Email address

nyeganeh@kums.ac.ir

Recruitment status

Recruitment complete

Funding source

Pro-vice-chancellor for research of Kermanshah University of Medical Sciences

Expected recruitment start date

2008-12-25, 1387/10/05

Expected recruitment end date

2009-03-30, 1388/01/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of target-controlled infusion of remifentanyl Vs sufentanil in blunting hemodynamic responses of orotracheal intubation.

Public title

Comparison of two drugs to prevent hemodynamic responses of orotracheal intubation

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:18-60 years old, ASA I-II, surgical operations need orotracheal intubation to perform surgery Exclusion criteria:denial of patients,any dependency to opioids or other sedatives,any predicted difficult intubation

Age

From **18 years** old to **60 years** old

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: 40

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

1

Registry name

UMIN(university for medicine and information network)-JAPAN

Secondary trial Id

UMIN000001564

Registration date

2008-12-12, 1387/09/22

Ethics committees

1

Ethics committee

Name of ethics committee

Kermanshah University of Medical Sciences Ethical Committee

Street address

Shahid Beheshti Bulvard

City

Kermanshah

Postal code

Approval date

2008-08-06, 1387/05/16

Ethics committee reference number

420/2308

Health conditions studied

1

Description of health condition studied

Orotracheal anesthesia

ICD-10 code

Y45.0

ICD-10 code description

complication of medical and surgical care-opioids and related analgesics

Primary outcomes

1

Description

Blood pressure

Timepoint

before anesthesia, one, three and five minutes after intubation

Method of measurement

clinical examination and non invasive blood pressure measurement

2

Description

Heart Rate

Timepoint

Before anesthesia, one, three and five minutes after intubation

Method of measurement

Clinical examination

Secondary outcomes

empty

Intervention groups

1

Description

infusion of remifentanyl as analgesic (with TCI) after the patient is anesthetised

Category

empty

2

Description

infusion of sufentanil as analgesic (with TCI) after the patient is anesthetised

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Reza hospital

Full name of responsible person

Naser yegane - Mohammad latifi

Street address

Department of Anesthesia and Intensive Care

City

Kermanshah

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Pro-vice-chancellor for research, Kermanshah
University of Medical Sciences (KUMS)

Full name of responsible person

Dr. H. Khazaie, Pro-vice-chancellor

Street address

Shahid Beheshti Boulevard

City

Kermanshah

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Pro-vice-chancellor for research, Kermanshah University
of Medical Sciences (KUMS)

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**

Imam Reza Hospital

Full name of responsible person

Naser Yeganeh

Position

Anesthesiologist/Assistant Professor

Other areas of specialty/work**Street address**

Department of Anesthesia and Intensive Care

City

Kermanshah

Postal code**Phone**

+98 83 1427 6309

Fax**Email**

nyeganeh@kums.ac.ir

Web page address

Person responsible for scientific inquiries

Contact**Name of organization / entity**

Imam Reza Hospital

Full name of responsible person

Naser Yeganeh

Position

Anesthesiologist/ Assistant Professor

Other areas of specialty/work**Street address**

Imam Reza Hospital

City

Kermanshah

Postal code**Phone**

+98 83 1427 6309

Fax**Email**

nyeganeh@kums.ac.ir

Web page address

Person responsible for updating data

Contact**Name of organization / entity**

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Fax**Email**

nyeganeh@kums.ac.ir

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