

Clinical Trial Protocol

Iranian Registry of Clinical Trials

26 Jul 2026

Evaluation of comparison between Remifentanil infusion and single dose intravenous Hydralazine + Propranolol administration to provide controlled hypotension in patients undergoing Rhino plastic surgery in khalili hospital during 2014-2015

Protocol summary

Summary

Study purpose: evaluation and comparison between Remifentanil infusion and single dose intravenous Hydralazine + Propranolol administration to provide controlled hypotension in patients undergoing Rhino plastic surgery. Method: the sample size in this study is 80 students divided into two groups A and B with 40 members in the age range of 40-20 years. Interventions: group A, besides induction of anesthesia, received 1 mg Inderal and 20 mg Hydralazine. In group B patients are tested under Remifentanil infusion at a rate of 0.1 -0.3 mcg / kg / min. Primary outcome measure: blood pressure decrease and heartbeat rate in two groups A and B.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015101522173N2**

Registration date: **2015-12-09, 1394/09/18**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2015-12-09, 1394/09/18

Registrant information

Name

Behshid Javidsharify

Name of organization / entity

Shiraz University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 71 3624 2410

Email address

javidsharify@sums.ac.ir

Recruitment status

Recruitment complete

Funding source

Shiraz University of Medical Sciences

Expected recruitment start date

2015-09-23, 1394/07/01

Expected recruitment end date

2015-11-22, 1394/09/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of comparison between Remifentanil infusion and single dose intravenous Hydralazine + Propranolol administration to provide controlled hypotension in patients undergoing Rhino plastic surgery in khalili hospital during 2014-2015

Public title

Evaluation of comparison between Remifentanil infusion and single dose intravenous Hydralazine + Propranolol administration to provide controlled hypotension in patients undergoing Rhino plastic surgery in khalili hospital during 2014-2015

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criterion: all patients in the range of 20-40 years old with class I ASA. Exclusion criteria: patients in

class II & III ASA; recent (the last 3 months) general anesthesia record; drug abuse; history of allergy to Propranolol or Hydralazine or Remifentanyl; high blood pressure; cardiovascular diseases should be eliminated.

Age

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

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: **80**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Shiraz University of Medical Sciences

Street address

Shiraz University of Medical Sciences, Zand St

City

Shiraz

Postal code

Approval date

2015-09-13, 1394/06/22

Ethics committee reference number

IR.SUMS.REC.1394.115

Health conditions studied

1

Description of health condition studied

Hypertension

ICD-10 code

I10-I15

ICD-10 code description

Hypertensive diseases

Primary outcomes

1

Description

Blood pressure

Timepoint

Before intervention, during intervention, after intervention

Method of measurement

In terms of mmHg, using a Mercury sphygmomanometer

Secondary outcomes

1

Description

Bleeding during surgery

Timepoint

After intervention

Method of measurement

According to surgeon report

Intervention groups

1

Description

In group B patients are tested under Remifentanyl infusion at a rate of 0.1 -0.3 mcg / kg / min .

Category

Treatment - Drugs

2

Description

Group A, besides induction of anesthesia , received 1mg Inderal and 20mg Hydralazine.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Khalili Hospital

Full name of responsible person

Street address

City

Shiraz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Shiraz University of Medical Sciences

Full name of responsible person

Dr. Gholamreza Ghazipour

Street address

Shiraz University of Medical Sciences, Zand St.

City
Shiraz
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Shiraz 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
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Full name of responsible person
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Person responsible for updating data

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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