

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

14 Jul 2026

### The comparison between effect of oral propranolol, lorazepam and propranolol-lorazepam in reduction of preoperative anxiety

#### Protocol summary

##### Summary

In this study, we compared the effect of oral propranolol and lorazepam, and combination of these two medications in diminishing anxiety before operation and diminishing of BP and HR before and during operation. In this double blind study, at the night before operation, 75 patients in range of 18-45 years old with ASA class I and II were arranged in 3 groups: A, B and C. These patients were had prepared for minor or moderate elective surgery. After assessment of patients' anxiety with APIAS scale and after measurement of BP and HR of them, the drugs were prescribed. Group A took 2 mg lorazepam, group B took 20 mg propranolol, and C took 2mg lorazepam and 20 mg propranolol at 10:00 pm before next morning operation. The patients at entrance of operating room were assessed with APIAS and were checked for BP and HR again. All of patients had general anesthesia by similar route. From the time of intubation till 15 minutes after that, BP and HR were checked every 5 minutes.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT201106146256N2**  
Registration date: **2011-06-19, 1390/03/29**  
Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2011-06-19, 1390/03/29

##### Registrant information

##### Name

Sevak Hatamian

##### Name of organization / entity

Qazvin university of medical sciences and health

services

##### Country

Iran (Islamic Republic of)

##### Phone

+98 28 1223 6381

##### Email address

sehatamian@qums.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Vice-chancellor for research, Qazvin university of medical sciences and health services

##### Expected recruitment start date

2009-08-23, 1388/06/01

##### Expected recruitment end date

2010-03-21, 1389/01/01

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

The comparison between effect of oral propranolol, lorazepam and propranolol-lorazepam in reduction of preoperative anxiety

##### Public title

The comparison between effect of orally propranolol lorazepam and propranolol-lorazepam in reduction of preoperative anxiety

##### Purpose

Prevention

##### Inclusion/Exclusion criteria

Inclusion criteria: Grasp testimonial; elective minor to moderate surgery as: inguinal hernia, trans urethral lithotomy, colles fx, tibia fx; age 18-45 and ASA class I and II Exclusion criteria: History of chronic consumption of bzd antipsychotics, opium and amphetamines; history

of panic attack or any psychologic disorder; history of CHF, asthma COPD ,dm type land II; history of hypertension; history of any anti hypertension drug consumption and history of any food and drugs allergy

#### Age

From **18 years** old to **45 years** old

#### Gender

Both

#### Phase

2

#### Groups that have been masked

*No information*

#### Sample size

Target sample size: **75**

#### 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

Qazvin universityof medical sciences

##### Street address

Shahid Bamonar Blvd

##### City

Qazvin

##### Postal code

#### Approval date

2009-08-10, 1388/05/19

#### Ethics committee reference number

4372/20/28

## Health conditions studied

### 1

#### Description of health condition studied

Neurotic, stress-related and somatoform disorders

#### ICD-10 code

F40.9

#### ICD-10 code description

Phobic anxiety disorder, unspecified

## Primary outcomes

### 1

#### Description

Preoprative stress score

#### Timepoint

10 hours

#### Method of measurement

APIAS SCALE

## Secondary outcomes

### 1

#### Description

Blood pressure

#### Timepoint

15 mint

#### Method of measurement

Non-Invasive Blood Pressure (NIBP)

### 2

#### Description

Heart rate

#### Timepoint

15min

#### Method of measurement

beat/min

## Intervention groups

### 1

#### Description

Intervention:inderal 20mg

#### Category

Prevention

### 2

#### Description

Intervention:lorazpam2mg

#### Category

Prevention

### 3

#### Description

Intervention:inderal20 mg+lorazpam2 mg

#### Category

Prevention

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Shaïd Rajee Hospital

##### Full name of responsible person

Dr Sevak Hatamian

##### Street address

Padeghan Street  
City  
Qazvin

## Sponsors / Funding sources

1

### Sponsor

**Name of organization / entity**  
vice-chancellor for research of Qazvin university of  
medical science

**Full name of responsible person**  
Dr Saeed Assefzadeh

**Street address**  
Shahid bahonar Blvd

**City**  
Qazvin

**Grant name**

**Grant code / Reference number**

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

Yes

**Title of funding source**  
vice-chancellor for research of Qazvin 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**  
Qazvin, University of Medical Science

**Full name of responsible person**  
Dr Behname Mahmoodieh

**Position**  
Assitant rezident

**Other areas of specialty/work**

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## Person responsible for scientific

## inquiries

### Contact

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Assitant professor/anesthesia

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## Person responsible for updating data

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Dr Sevak Hatamian

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Anaesthesia Resident

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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*