

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

08 Jul 2026

### The effect of lidocaine in preventing propofol injection pain in patients who taking general anesthesia with propofol induction- A ranomized clinical trial

#### Protocol summary

##### Summary

The goal of this study was the study of alleviating effect of lidocaine on the propofol injection pain. 144 patients who were candidate for general anesthesia with propofol induction enrolled in the study. Patients with positive history of central neurologic, cardiac, renal and hepatic disease were excluded. Patients devoted into 6 groups randomly group 1: received lidocaine 0.1 mg/kg while a tourniquet had been applied 10 cm above the injection site and after 30 seconds tourniquet was released and propofol injected through a vain an the forearm Group 2: the same as group 1 but propofol injected through a vain on the dorsum of the hand. Group3: 0.1 mg/kg lidocaine administered without tourniquet application after 30 seconds propofol injected through a vain on the forearm. Group 4: the same as group 3 but propofol injected through a vain on the dorsum of the hand. Group 5 and 6 were control groupswhen the propofol was injected without pre injection of lidocain through a vain on the forearm and dorsum of the hand respectively. The pain of proposal propofol injection was scored by verbal response scoring system (VRS) for adult patient and Children's Hospital of Eastern Ontario Pain Scale (CHEOPS) for patient under 12 years old.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT201208227093N3**  
Registration date: **2012-12-25, 1391/10/05**  
Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2012-12-25, 1391/10/05

#### Registrant information

##### Name

Mohsen Saber Moghadamranjbar

##### Name of organization / entity

North khorasan University of Medical Sciences

##### Country

Iran (Islamic Republic of)

##### Phone

+98 58 4229 7069

##### Email address

sabermoghadam41@gmail.com

#### Recruitment status

##### Recruitment complete

#### Funding source

North khorasan University Of Medical Science-Student Research Committee

#### Expected recruitment start date

2012-07-22, 1391/05/01

#### Expected recruitment end date

2012-12-21, 1391/10/01

#### Actual recruitment start date

empty

#### Actual recruitment end date

empty

#### Trial completion date

empty

#### Scientific title

The effect of lidocaine in preventing propofol injection pain in patients who taking general anesthesia with propofol induction- A ranomized clinical trial

#### Public title

The effect of lidocaine in prevention of pain from propofol injection

#### Purpose

Prevention

#### Inclusion/Exclusion criteria

Inclusion Criteria:ASA Class 1,2;Candidate Of General Anesthesia With Propofol Injection Exclusion Criteria : Epilepsy;Known Cardiovascular Disease; Known Neurological Disease;GCS<15;Sensitivity History;Opioid And Sedative Drug As Premedication

#### Age

No age limit

#### Gender

Both

#### Phase

N/A

#### Groups that have been masked

No information

#### Sample size

Target sample size: **144**

#### 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

Ethics Committee Of North Khorasan University Of Medical Sciences

##### Street address

Deputy Of Research And Technology, Berenji Line, South Shariati,Bojnurd, Iran

##### City

Bojnurd

##### Postal code

#### Approval date

2012-07-22, 1391/05/01

#### Ethics committee reference number

90366پ

## Health conditions studied

### 1

#### Description of health condition studied

propofol injection pain

#### ICD-10 code

Y48.1

#### ICD-10 code description

Parenteral anaesthetics

## Primary outcomes

### 1

#### Description

propofol injection pain

#### Timepoint

DURING DRUG INJECTION

#### Method of measurement

VERBAL RESPONSE SCALE

## Secondary outcomes

empty

## Intervention groups

### 1

#### Description

Received lidocaine 0.1 mg/kg while a tourniquet had been applied 10 cm above the injection site and after 30 seconds tourniquet was released and propofol injected through a vein an the forearm.

#### Category

Prevention

### 2

#### Description

received lidocaine 0.1 mg/kg while a tourniquet had been applied 10 cm above the injection site and after 30 seconds tourniquet was released and propofol injected through a vein on the dorsum of the hand .

#### Category

Treatment - Drugs

### 3

#### Description

0.1 mg/kg lidocaine administered without tourniquet application after 30 seconds propofol injected through a vein on the forearm.

#### Category

Treatment - Drugs

### 4

#### Description

0.1 mg/kg lidocaine administered without tourniquet application after 30 seconds propofol injected through a vein on the dorsum of the hand.

#### Category

Prevention

### 5

#### Description

propofol injected without pre injection of lidocain through a vein on the forearm.

#### Category

Other

## 6

### Description

propofol injected without pre injection of lidocain through a vein on the dorsum of the hand.

### Category

Other

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Imam Ali Hospital

##### Full name of responsible person

Dr Sabermoghadam

##### Street address

Shahriar Street - Imam Ali Hospital

##### City

Bojnourd

## Sponsors / Funding sources

### 1

#### Sponsor

##### Name of organization / entity

North Khorasan University Of Medical Sciences

##### Full name of responsible person

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##### Street address

Berenji Line, South Shariati

##### City

Bojnourd

#### Grant name

#### Grant code / Reference number

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

Yes

#### Title of funding source

North Khorasan 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

North Khorasan University of Medical Sciences,  
Bojnurd, Iran

##### Full name of responsible person

Dr Sabermoghadam

##### Position

Assistant Professor

##### Other areas of specialty/work

##### Street address

Imam Ali Hospital, Shahriar Street

##### City

Bojnurd

##### Postal code

##### Phone

+98 58 4229 6965

##### Fax

##### Email

sabermoghadam41@gmail.com

##### Web page address

## Person responsible for scientific inquiries

#### Contact

##### Name of organization / entity

North Khorasan University of Medical Sciences,  
Bojnurd, Iran

##### Full name of responsible person

Dr Sabermoghadam,

##### Position

Assistant Professor

##### Other areas of specialty/work

##### Street address

Imam Ali Hospital, Shahriar Street,

##### City

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##### Postal code

##### Phone

+98 58 4229 6965

##### Fax

##### Email

sabermoghadam41@gmail.com

##### 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*