

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

20 Jun 2026

### The effect of general anesthesia with Propofol infusion on Headache attack severity and frequency in patients with migraine

#### Protocol summary

##### Study aim

Evaluation of the effect of propofol on headache attack severity and frequency in patients with migraine

##### Design

Patients candidate for In Vitro Fertilization surgery and history of migraine will be enrolled into the study after signing the consent form and their severity and frequency of headache will be recorded in a questionnaire. Sample size was 60 persons categorized into 1 group. clinical trial, no randomization, no control group.

##### Settings and conduct

Patients candidate for In Vitro Fertilization surgery referred to Taleghani Hospital with a history of migraine receive propofol infusion during general anesthesia. In this study no blinding was performed

##### Participants/Inclusion and exclusion criteria

Inclusion criteria All the female patient between 25 to 50 years old Candidate for IVF(In Vitro Fertilization) surgery History of migraine Exclusion criteria Allergy to egg

##### Intervention groups

Intervention group: All patient receive Propofol (B.BRUAN company) infusion 100mcg/kg/min during general anesthesia fo In Vitro Fertilization surgery .

##### Main outcome variables

The effect of propofol on the severity and frequency of migraine headache attacks

#### General information

##### Reason for update

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT20190131042569N3**

Registration date: **2020-02-16, 1398/11/27**

Registration timing: **registered\_while\_recruiting**

Last update: **2020-02-16, 1398/11/27**

Update count: **0**

##### Registration date

2020-02-16, 1398/11/27

##### Registrant information

###### Name

Nima saeedi

###### Name of organization / entity

###### Country

Iran (Islamic Republic of)

###### Phone

+98 21 2641 8939

###### Email address

nimasaeedi@sbm.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

##### Expected recruitment start date

2019-05-22, 1398/03/01

##### Expected recruitment end date

2020-05-21, 1399/03/01

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

The effect of general anesthesia with Propofol infusion on Headache attack severity and frequency in patients with migraine

##### Public title

The effect of Propofol on Headache attack severity and frequency in patients with migraine

##### Purpose

Prevention

##### Inclusion/Exclusion criteria

**Inclusion criteria:**

All the female patient between 25 to 50 years old  
Candidate for IVF(In Vitro Fertilization) surgery History of migraine

**Exclusion criteria:**

Allergy to egg

**Age**

From **25 years** old to **50 years** old

**Gender**

Female

**Phase**

2

**Groups that have been masked**

*No information*

**Sample size**

Target sample size: **60**

**Randomization (investigator's opinion)**

N/A

**Randomization description**

**Blinding (investigator's opinion)**

Not blinded

**Blinding description**

**Placebo**

Not used

**Assignment**

Single

**Other design features**

**Secondary Ids**

empty

**Ethics committees**

1

**Ethics committee**

**Name of ethics committee**

Ethics committee Shahid Beheshti University of  
Medical Sciences

**Street address**

Shahid Beheshti University of Medical Science, Arabi  
Ave , Daneshjoo Blvd ,Velenjak , Tehran

**City**

Tehran

**Province**

Tehran

**Postal code**

1985717443

**Approval date**

2019-05-07, 1398/02/17

**Ethics committee reference number**

IR.SBMU.MSP.REC.1398.111

**Health conditions studied**

1

**Description of health condition studied**

Migraine

**ICD-10 code**

G43

**ICD-10 code description**

Migraine

**Primary outcomes**

1

**Description**

Headache severity in patients with migraine

**Timepoint**

1 , 3 , 6 month after anesthesia

**Method of measurement**

Visual Analogue Scale

2

**Description**

Headache frequency in patients with migraine

**Timepoint**

1 , 3 , 6 month after anesthesia

**Method of measurement**

questionnaire(Incidence per month)

**Secondary outcomes**

empty

**Intervention groups**

1

**Description**

Intervention group: All patient receive Propofol (B.BRUAN  
company) infusion 100mcg/kg/min during general  
anesthesia fo In Vitro Fertilization surgery .

**Category**

Prevention

**Recruitment centers**

1

**Recruitment center**

**Name of recruitment center**

Taleghani Hospital

**Full name of responsible person**

Nima Saeedi

**Street address**

Shahid Araabi Ave , Yaman Ave, Shahid Chamran  
Highway

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1985711151

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+98 21 2303 1111

**Email**

taleghanihospital@sbmu.ac.ir

## Sponsors / Funding sources

### 1

#### Sponsor

**Name of organization / entity**

Research Department of Shahid Beheshti University of Medical Sciences

**Full name of responsible person**

Seyed Ali Ziayi

**Street address**

Third floor, School of Medicine , near the Taleghani Hospital , Evin , Shahid Chamran Highway

**City**

Tehran

**Province**

Tehran

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1985717434

**Phone**

+98 21 2243 9951

**Email**

mpd@sbm.ac.ir

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

Yes

**Title of funding source**

Research Department of Shahid Beheshti University of Medical Sciences

**Proportion provided by this source**

100

**Public or private sector**

Public

**Domestic or foreign origin**

Domestic

**Category of foreign source of funding**

*empty*

**Country of origin****Type of organization providing the funding**

Academic

## Person responsible for general inquiries

**Contact****Name of organization / entity**

Shahid Beheshti University of Medical Sciences

**Full name of responsible person**

Nima Saeedi

**Position**

Anesthesia assistance

**Latest degree**

Specialist

**Other areas of specialty/work**

Anesthesiology

**Street address**

No. 11, First East Ave., Bistochar metri Ave., Tehran., Iran

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## Person responsible for scientific inquiries

**Contact****Name of organization / entity**

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**Latest degree**

Specialist

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## Person responsible for updating data

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**Email**

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**Sharing plan****Deidentified Individual Participant Data Set (IPD)**

Yes - There is a plan to make this available

**Study Protocol**

Yes - There is a plan to make this available

**Statistical Analysis Plan**

Yes - There is a plan to make this available

**Informed Consent Form**

Yes - There is a plan to make this available

**Clinical Study Report**

Yes - There is a plan to make this available

**Analytic Code**

Yes - There is a plan to make this available

**Data Dictionary**

Yes - There is a plan to make this available

**Title and more details about the data/document**

Participant data (age, pain severity ) are to be shared.

**When the data will become available and for how long**

1 year after publication

**To whom data/document is available**

Researchers working in academic institutions

**Under which criteria data/document could be used**

Using data and analysis for use in academic research

**From where data/document is obtainable**

Send Email Dr.Nima Saeedi Email Address:  
nimasaeedi7@yahoo.com

**What processes are involved for a request to access data/document**

Send request via Email and after 1 week will be replied.

**Comments**