Clinical Trial Protocol
Iranian Registry of Clinical Trials

25 Jun 2026

Comparison of the characteristics of patients treated with and without Propofol in the intensive care unit of MasihDaneshvari Hospital.

Protocol summary

Study aim
Evaluation the effects and risks of using propofol in patients admitted to the intensive care unit of Masih Daneshvari Hospital.

Design
Patients' information in the first three years of this study is related to the cases that treated with propofol & in the next eight years, it is related to patients that Propofol has not been used in the treatment. A random selection of patients were performed from both groups. Their data were recorded from their records and compared to demographic characteristics and variables such as: cardiac output, hypertension, hyperlipidemia, sepsis.

Settings and conduct
This study conducted in surgical Intensive Care Unit in Masih Daneshvari Hospital, Tehran, Iran. Patients' information in the first three years of this study is related to the cases that treated with propofol & In the next eight years, it is related to patients that Propofol has not been used in the treatment.

Participants/Inclusion and exclusion criteria
Inclusion criteria: patients need a sedative in the intensive care unit. Exclusion criteria: patients with propofol sensivity; patients with certain underlying conditions

Intervention groups
Patients treated with propofol and without propofol

Main outcome variables
Evaluate the effects and risks of using propofol

General information

Reason for update

Acronym

IRCT registration information
IRCT registration number: **IRCT20150107020592N19**
Registration date: **2018-07-29, 1397/05/07**
Registration timing: **retrospective**
Last update: **2018-07-29, 1397/05/07**
Update count: **0**

Registration date
2018-07-29, 1397/05/07

Registrant information

Name
Seyed Mohammad Reza Hashemian

Name of organization / entity

Country
Iran (Islamic Republic of)

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Email address
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Recruitment status
Recruitment complete

Funding source

Expected recruitment start date
2018-01-10, 1396/10/20

Expected recruitment end date
2018-07-11, 1397/04/20

Actual recruitment start date
empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title
Comparison of the characteristics of patients treated with and without Propofol in the intensive care unit of MasihDaneshvari Hospital.

Public title
Comparison of the characteristics of patients treated with and without Propofol

Purpose
Supportive

Inclusion/Exclusion criteria

Inclusion criteria:
Patients need a sedative in the intensive care unit
Exclusion criteria:
Patients with propofol sensivity Patients with certain underlying conditions

Age
No age limit
Gender
Both

Phase
3
Groups that have been masked
No information
Sample size
Target sample size: **500**
Randomization (investigator's opinion)
N/A
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
Masih Daneshvari Hospital the Edjucational , Research and Treatment center.
Street address
Masih Daneshvari Hospital, Darabad Avenue, Shahid Bahonar roundabout, Tehran, Iran
City
Tehran
Province
Tehran
Postal code
1956944413
Approval date
2018-01-02, 1396/10/12
Ethics committee reference number
IR.SBMU.MSP.REC.1396.747

Health conditions studied

1

Description of health condition studied
Patients treated with and without Propofol in the intensive care unit.
ICD-10 code
ICD-10 code description

Primary outcomes

1

Description
Evaluate the effects and risks of using propofol.
Timepoint
After using propofol
Method of measurement
The checklist includes demographic features and variables such as cardiac output, hypotension, hyperlipidemia, and sepsis.

Secondary outcomes

1

Description
Blood pressure
Timepoint
Before and after the intervention.
Method of measurement
Barometer

2

Description
Cardiac Output
Timepoint
Before and after intervention
Method of measurement
monitoring

Intervention groups

1

Description
Intervention group: treated with Propofol 10%. The drug that is used as a short intravenous injection method and it reduces the level of consciousness or anesthesia. For adult patients, it is advisable to use low doses for intravenous infusion and, after ensuring the stability of the hemodynamic, the dose was increased. In this study, 2.5 mg / kg anesthetic dose of propofol was induced and propofol was used for prolonged relief of 0.1 mg / kg / min.
Category
Treatment - Drugs

2

Description
Control group: Treated without Propofol
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center
The Edjucational , Research and Treatment center

Full name of responsible person
Dr Seyyed Mohammad Reza Hashemian

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Sponsors / Funding sources

1

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Grant name

Grant code / Reference number

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

Title of funding source
The Edjucational , Research and Treatment center

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
The Edjucational , Research and Treatment center

Full name of responsible person
Seyyed Mohammad Reza Hashemian

Position
Associate professor

Latest degree
Subspecialist

Other areas of specialty/work
Anesthesiology

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Sharing plan

Deidentified Individual Participant Data Set (IPD)
Undecided - It is not yet known if there will be a plan to make this available
Study Protocol
Undecided - It is not yet known if there will be a plan to make this available
Statistical Analysis Plan
Undecided - It is not yet known if there will be a plan to make this available
Informed Consent Form
Undecided - It is not yet known if there will be a plan to make this available
Clinical Study Report
Undecided - It is not yet known if there will be a plan to make this available
Analytic Code
Undecided - It is not yet known if there will be a plan to make this available
Data Dictionary
Undecided - It is not yet known if there will be a plan to make this available