Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Nov 2026

Effect of intravenous Propofol on post-dural puncture headache

Protocol summary

Summary

The purpose of this study os to investigate the effect of intravenous Propofol on post-dural puncture headache . 40 patients with post dural puncture headache are enrolled. They are randomly divided into two groups. The control group receives conventional therapy including fluid and oral Acetaminophen while the intervention group will receive fluid and subanesthetic dose of intravenous propofol. They will receive rescue therapy with intravenous meperidine or epidural blood patch as needed. Pain score will be compared among these two groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138812083437N1**
Registration date: **2010-06-18, 1389/03/28**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2010-06-18, 1389/03/28

Registrant information

Name

Hedayatollah Elyassi

Name of organization / entity

Shaheed Beheshti University of Medical Sciences, Taleghani Hospital

Country

Iran (Islamic Republic of)

Phone

+98 21 2243 2572

Email address

a.r.c@sbmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Anesthesiology Research Center

Expected recruitment start date

2010-03-21, 1389/01/01

Expected recruitment end date

2011-12-22, 1390/10/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of intravenous Propofol on post-dural puncture headache

Public title

Effect of intravenous Propofol on post-dural puncture headache

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: suffering from post-dural puncture headache, ASA class 1 and 2, not received intravenous therapy except fluid for their current headache, headache started within last 48 hours Exclusion criteria: Patients with ASA classes other than 1 and 2, receiving intravenous treatment, drug addiction

Age

From **14 years** old to **60 years** old

Gender

Both

Phase

0

Groups that have been masked

No information

Sample size

Target sample size: **40**

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
Shaheed Beheshti Medical University
Street address
Velenjak
City
Tehran
Postal code
Approval date
2010-03-19, 1388/12/28
Ethics committee reference number
00123

Health conditions studied

1

Description of health condition studied
postdural puncture headache
ICD-10 code
G97.1
ICD-10 code description
Other reaction to spinal and lumbar puncture

Primary outcomes

1

Description
pain
Timepoint
Every 5 minutes untill 24 hours
Method of measurement
VAS

Secondary outcomes

1

Description
opioid need
Timepoint
Every 5 minutes untill 24 hours
Method of measurement
mg of pethidine needed to reduce paine to less than 3 (VAS)

Intervention groups

1

Description
acetaminophen (500 mg oral every 4 hour for 24 hours)
Category
Treatment - Drugs

2

Description
propofol (1 mg/kg/h IV infusion for 30 minutes every 6 h till 24 hour)
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Anesthesiology Research Center
Full name of responsible person
Street address
City
Tehran

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Anesthesiology Research Center
Full name of responsible person
Hedayatollah Elyassi
Street address
Anesthesiology Research Center,Taleghani Hospital, Velenjak
City
Tehran
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Anesthesiology Research Center
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

Anesthesiology Research Center

Full name of responsible person

Hedayatollah Elyassi

Position

Professor

Other areas of specialty/work

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Web page address

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