

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Study the effect of memantine on acute postoperative pain after elective hysterectomy .

Protocol summary

Summary

Summary: Objective: To determine the effect of memantine on the control of acute postoperative pain after elective hysterectomy Design Study: Randomized, double blind, control with medication, Parallel, stage two trials Method of study: A. Population studied: Patients referring to Imam Ali Hospital in the year 96-97 undergoing hysterectomy. o Main criteria for entering the study: patient satisfaction, ages 20 to 70, selective hysterectomy surgery. o Main exclusion criteria for the study of liver-renal or cardiac diseases and psychiatric illness that may disturb the patient's assessment, drug addiction or any other psychoactive substance, patient's death, and patient's lack of cooperation. Sample size In this study, we survey 30 patients in each group, of which 60 will be included in the study. B) Intervention or intervention: One group received 20 mg of oral memantine and the other group received placebo. C. Time of intervention: one hour before the operation D- Primary outcome or outcome of the study: patient's pain score (VAS), sedation score, side effects such as nausea and vomiting, and total dose of narcotic in addition to paracetamol at 0 (recovery), 6, 12, 24, 36 and 48

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017070434888N1**

Registration date: **2017-11-01, 1396/08/10**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2017-11-01, 1396/08/10

Registrant information

Name

Saeed Keshtgar

Name of organization / entity

university of medical sciences of zahedan

Country

Iran (Islamic Republic of)

Phone

+98 54 3328 6765

Email address

keshtgarsaeed@zaums.ac.ir

Recruitment status

Recruitment complete

Funding source

Zahedan University of Medical Sciences Research Committee

Expected recruitment start date

2017-12-22, 1396/10/01

Expected recruitment end date

2018-08-23, 1397/06/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Study the effect of memantine on acute postoperative pain after elective hysterectomy .

Public title

Study the effect of memantine on acute pain

Purpose

Supportive

Inclusion/Exclusion criteria

Main criteria for entering the study: patient satisfaction, ages 20 to 70, selective hysterectomy surgery. Main exclusion criteria for the study of liver-renal or cardiac diseases and psychiatric illness that may disturb the patient's assessment, drug addiction or any other

psychoactive substance, patient's death, and patient's lack of cooperation

Age
From **20 years** old to **70 years** old

Gender
Female

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **60**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Double blinded

Blinding description

Placebo
Used

Assignment
Single

Other design features
The random blocks are divided into two groups: memantine (A) and placebo (B) This study is two-sided, and only the doctor responsible for distributing the drug knows its name, and the patient and the other physician who record the pain score and calibrate score after the operation are unaware of the type of medication used to reduce the associated bias or bouts. Intervention and evaluation of consequences are used in this way, and this way it is possible to measure objectively the outcome.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Zahedan University of Medical Sciences

Street address

Zahedan Square Dr. Hesabi University of Medical Sciences campus

City

Zahedan

Postal code

Approval date

2017-04-16, 1396/01/27

Ethics committee reference number

IR.ZAUMS.REC.1396. 9

Health conditions studied

1

Description of health condition studied

pain

ICD-10 code

R52.0

ICD-10 code description

Acute pain

2

Description of health condition studied

Hysterectomy

ICD-10 code

Z90.7

ICD-10 code description

Acquired absence of genital organ(s)

Primary outcomes

1

Description

Pain score

Timepoint

At recovery and hours 6, 12, 24, 36 and 48 after surgery

Method of measurement

Score measured by VAS criteria

Secondary outcomes

1

Description

Relaxation

Timepoint

At recovery and hours 6, 12, 24, 36 and 48 after surgery

Method of measurement

Relaxation based on Ramsey's relaxation score

2

Description

Drug use Required Patient

Timepoint

Within 48 hours after surgery

Method of measurement

Drug use included in patient file

3

Description

Complications (nausea and vomiting)

Timepoint

Within 48 hours after surgery

Method of measurement

Ask the patient for the presence or absence of nausea and vomiting

Intervention groups

1

Description

Memantine, 20 mg oral tablet, one hour before surgery

Category

Treatment - Drugs

2

Description

placebo

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Aliebnabitaleb hospital

Full name of responsible person

asadolah shakeri

Street address

City

Zahedan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research of university of medical sciences of zahedan

Full name of responsible person

dr hushang rafighdust

Street address

doctor hesabi square, zahedan

City

zahedan

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 university of medical sciences of zahedan

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

university of medical sciences of zahedan

Full name of responsible person

Dr asadolah shakeri

Position

assistant professor

Other areas of specialty/work

Street address

doctor hesabi square, zahedan

City

zahedan

Postal code

Phone

+98 54 3329 5571

Fax

Email

keshtgarsaeed341@yahoo.com

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

university of medical sciences of zahedan

Full name of responsible person

Dr asadolah shakeri

Position

Intravenous fellowship of pain

Other areas of specialty/work

Street address

doctor hesabi square, zahedan

City

zahedan

Postal code

Phone

+98 54 3329 5571

Fax

Email

keshtgarsaeed341@yahoo.com

Web page address

Person responsible for updating data

Contact

Name of organization / entity

university of medical sciences of zahedan

Full name of responsible person

Dr asadolah shakeri

Position

assistant professor

Other areas of specialty/work

Street address

doctor hesabi square, zahedan

City

zahedan

Postal code

Phone

+98 54 3329 5571

Fax
Email
keshtgarsaeed341@yahoo.cob
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