

Clinical Trial Protocol

Iranian Registry of Clinical Trials

22 Jul 2026

Evaluation of effect of ketamin administration on pain reduction after PCNL surgery

Protocol summary

Summary

Purpose: Effect of local ketamin use in percutaneous nephrolithotomy surgery on post-operation pain reduction and total analgesic consumption. Inclusion criteria: Patient undergoing PCNL surgery at Sina hospital. Exclusion criteria: history of mental illness and high blood pressure. 66 patient undergoing PCNL surgery at the end of surgery: one group will receive ketamin 1/5 mg/kg through the nephrostomy tube and group A will not receive the drug. post-operation pain based on VAS score will be evaluated within the first six hours of the procedure.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201510083773N16**
Registration date: **2016-09-05, 1395/06/15**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2016-09-05, 1395/06/15

Registrant information

Name

Farsad Imani

Name of organization / entity

Tehran University of Medical Sciences and Health Services

Country

Iran (Islamic Republic of)

Phone

+98 21 4469 0816

Email address

imanifar@sina.tums.ac.ir

Recruitment status

Recruitment complete

Funding source

Tehran University of Medical Sciences

Expected recruitment start date

2014-12-09, 1393/09/18

Expected recruitment end date

2015-12-20, 1394/09/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of effect of ketamin administration on pain reduction after PCNL surgery

Public title

Ketamin on pain reduction after PCNL surgery

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Patient undergoing PCNL surgery in sina hospital: age 18 to 70. Exclusion criteria: Addiction, history of mental illness and high blood pressure.

Age

From **18 years** old to **75 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **66**

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**

Sina Hospital

Street address

Imam Khomeini Ave,Sina Hospital

City

Tehran

Postal code**Approval date**

2015-09-23, 1394/07/01

Ethics committee reference number

IR.TUMS.1394.1134

Health conditions studied**1****Description of health condition studied**

reduce pain after PCNL surgery

ICD-10 code

N20

ICD-10 code description

Calculus of kidney and ureter

Primary outcomes**1****Description**

pain after surgery

Timepoint

4_6hours after surgery

Method of measurement

VAS

Secondary outcomes

empty

Intervention groups**1****Description**

Intervention group: administration 1.5 mg/kg of ketamin

at the end of surgery through the nephrostomy tube to renal capsule and under skin.

Category

Treatment - Drugs

2**Description**

control group:no intervention on the other group

Category

Treatment - Drugs

Recruitment centers**1****Recruitment center****Name of recruitment center**

Sina Hospital

Full name of responsible person

Dr.Golnar Shayanpour

Street address

Sina Hospital,Imam khomeini Ave

City

Tehran

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Tehran University of Medical Sciences

Full name of responsible person

Dr.Golnar Shayanpour

Street address

Sina Hospital.Imam Khomeini Ave.Tehran

City

Tehran

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

Yes

Title of funding source

Tehran 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**

Tehran University Of Medical Science

Full name of responsible person

Dr.Golnar Shyanpour

Position

Resident

Other areas of specialty/work

Street address

Sina Hospital,Imam Khomeini Ave

City

Tehran

Postal code

Phone

+98 21 63120

Fax

Email

Golnar_shyanpour@yahoo.com

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Tehran University of Medical Sciences

Full name of responsible person

Dr.Golnar Shyanpour

Position

Resident

Other areas of specialty/work

Street address

Sina Hospital Imam Khomeini Ave.Tehran

City

Tehran

Postal code

Phone

+98 21 63120

Fax

Email

Golnar_shyanpour@yahoo.com

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Tehran University Of Medical Science

Full name of responsible person

Dr.Golnar Shyanpour

Position

Resident

Other areas of specialty/work

Street address

EmamkhomeiniSt .Hasan Abad Sq .Sina Hospital

City

Tehran

Postal code

Phone

+98 21 63120

Fax

Email

Golnar_shyanpour@yahoo.com

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