Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

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

Protocol summary

Summary

Purpose: Effect of local ketamin use in percutaneous nephrolitotomy surgery on post-operation pain reduction and total analgesic consumption. Inclusion criteria: Paitent undergoing PCNL surgery at Sina hospital. Exclusion criterria: 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 surgury

Public title
Ketamin on pain reduction after PCNL surgury

Purpose
Treatment

Inclusion/Exclusion criteria
Inclusion criteria: Paitent undergoing PCNL surgery in sina hospital: age 18 to 70. Exclusion criterria: 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_shayanpour@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 Shayanpour
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_shayanpour@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 Shayanpour
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