

Clinical Trial Protocol

Iranian Registry of Clinical Trials

26 Jun 2026

Comparison of efficacy, complications and patient satisfaction from PCNL in prone and supine position under spinal anesthesia

Protocol summary

Summary

In this clinical trial sixty two patients older than 18 years old with renal or upper ureteral stones that were candicated for PCNL and refer to operating room of yasuj Shaheed Beheshti hospital from 2012 April to 2013 march after taking informed consent from them , randomly assigned by 4 block method to one of two groups, then in both groups standard PCNL was done under spinal anesthesia with fluoroscopic-guided. In both groups in absence of any complication after operation patients was transferred to recovery and satisfaction was checked by Beck scale then patients were transferred to ward. In 2th post operative day nephrostomy tube was clumped and if there was no urinary leak, fever and flank pain nephrostomy was removed and patients discharged.two weeks later patients again visit and efficacy of operation checked by KUB and ultra sonography. All data records and analysed by SPSS software and chi square and T student Tests.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201410261323N7**

Registration date: **2014-11-09, 1393/08/18**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2014-11-09, 1393/08/18

Registrant information

Name

Sadrollah Mehrabi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 74 3334 6070

Email address

dr.mehrabi@yums.ac.ir

Recruitment status

Recruitment complete

Funding source

vice-Chancellor for Research, Yasuj University of Medical Sciences and Health Services

Expected recruitment start date

2012-04-01, 1391/01/13

Expected recruitment end date

2013-03-01, 1391/12/11

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of efficacy, complications and patient satisfaction from PCNL in prone and supine position under spinal anesthesia

Public title

prone versus supine pcnl

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion: Age more than 18 years, presence of renal or upper ureteral stone, candidate for PCNL (multiple stones, staghorn stones, calyceal diverticule stones, stone which are resistant to ESWL, lower pole renal stone larger than >15 mm and other renal stone larger than 25 mm, upper ureteral stone >20mm, Having informed consent Exclusion criteria: Any contraindication for regional anesthesia, presence of coagulopathy, acute infection ore urosepsis, presence of acute renal failure

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 62

Randomization (investigator's opinion)

Randomized

Randomization description**Blinding (investigator's opinion)**

Single blinded

Blinding description**Placebo**

Used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethics committee of Yasuj University of Medical Sciences

Street address

Mottahari street, Yasuj University of Medical Sciences

City

Yasuj

Postal code

7591741417

Approval date

2012-08-18, 1391/05/28

Ethics committee reference number

p/23/7/2834

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

Renal and ureteral stones

ICD-10 code

N20.2

ICD-10 code description

Calculus of kidney with calculus of ureter

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

Success rate of operation

Timepoint

during operation and two week later

Method of measurement

observation by nephroscope and fluroscopy during operation and with sonography and KUB two weeks later

Secondary outcomes**1****Description**

satisfaction of patients

Timepoint

during and after operation

Method of measurement

Beck scale of satisfaction rate

2**Description**

Any complications of surgery

Timepoint

during operation to two week later

Method of measurement

eport of patients and observation with examination of patients

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

Performing PCNL under spinal anesthesia at the prone position

Category

Treatment - Surgery

2**Description**

Performing PCNL under spinal anesthesia at the supine position

Category

Treatment - Surgery

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

Shaheed Behehti Hospital

Full name of responsible person

Dr Sadrollah Mehrabi

Street address

Shaheed Beheshti hospital, Montazeri street, Yasuj

City

Yasyj

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Research manager, Yasuj University of Medical Sciences

Full name of responsible person

Dr Mehdi Akbartabar

Street address

Mottahari street, Research manager, Yasuj University of Medical Sciences

City

Yasuj

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

Yes

Title of funding source

Research manager, Yasuj 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**

Yasuj university of medical science

Full name of responsible person

Dr Sadrollah Mehrabi

Position

professor. Chairman of urology department, Yasuj university of medical science

Other areas of specialty/work**Street address**

Education vice chancellor, Yasuj University of Medical Sciences, Motahari street

City

Yasuj

Postal code**Phone**

+7 433346070

Fax**Email**

sadrollahm@yahoo.com and dr.mehrabiiums.ac.ir

Web page address

Person responsible for scientific inquiries

Contact**Name of organization / entity**

Yasuj university of medical science

Full name of responsible person

Dr Sadrollah Mehrabi

Position

Associate professor, Fellowship of Endourology, Urology Department, Yasuj University of Medical Scie

Other areas of specialty/work**Street address**

Yasuj University of Medical Sciences, Motahari street,

City

Yasuj

Postal code**Phone**

+7 433346070

Fax**Email**

dr.mehrabi@yums.ac.ir, sadrollahm@yahoo.com

Web page address

Person responsible for updating data

Contact**Name of organization / entity**

Yasuj University of Medical Sciences

Full name of responsible person

Dr Sadrollah Mehrabi

Position

professor, subspeciality of Endourology, Urology Department, Yasuj University of Medical Sciences

Other areas of specialty/work**Street address**

Yasuj University of Medical Sciences, Motahari street,

City

yasuj

Postal code**Phone**

00

Fax**Email**

sadrollahm@yahoo.com and dr.mehrabiiums.ac.ir

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