Clinical Trial Protocol
Iranian Registry of Clinical Trials

11 Jul 2026

comparison of success rate and complications of inguinal and subinguinal varicocelectomy operation

Protocol summary

Summary

In this clinical trial 64 patients older than 18 years old suffering from varicocele referred to urology clinic candidate for surgical varicocelectomy randomly allocated in two groups.in both groups after taking informed consent form and approval of ethics committee, diagnosis of varicocele will be confirmed by physical examination or ultrasonography and semen analysis will be done for all of them. in presence of infertility, pain or abnormal sperm analysis varicocelectomy will be performed by surgical method without using loops or microscope.in first group (subinguinal) under general anesthesia in supine position with a 3 centimeter transverse incision on external inguinal ring skin and subcutaneous fat dissected and after separating vas deference and lymphatis, spermatic veins dissect and ligate by 3-0 silk suture. In second group skin will be incised as first group, but with incision on external oblique fascia cord mobilized and operation will done as first group.in both groups patients discharge after operation and will be followed one week next and exam for presence of hematoma, wound infection and pain by visual analogue scale . One and 3 months later they visit again and check by history, physical examination or ultrasonography for presence of hydrocele and recurrence of varicocele. After three month spermogram will be checked in all of them for success of operation and improvement of infertility .all data will be recorded and analyzed by SPSS software version 21 and analytical descriptive and Qi square tests.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201710131323N12**
Registration date: **2017-10-20, 1396/07/28**
Registration timing: **registered_while_recruiting**
Last update:
Update count: **0**

Registration date

2017-10-20, 1396/07/28

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

Research vice chancellor of Yasuj University of Medical Sciences

Expected recruitment start date

2016-10-21, 1395/07/30

Expected recruitment end date

2017-10-22, 1396/07/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

comparison of success rate and complications of inguinal and subinguinal varicocelectomy operation

Public title

comparison of inguinal and subinguinal varicocelectomy

Purpose

Treatment

Inclusion/Exclusion criteria

inclusion criteria:males suffering from varicocele with pain and impairment of spermogram aged more than 18 Exclusion criteria:noncooperation for followup,presence of morbid obesity with BMI >35,coincidence of inguinal hernia with varicocele,history of previous varicocelectomy and recurrence

Age
From **18 years** old to **60 years** old

Gender
Male

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **64**

Randomization (investigator's opinion)
N/A

Randomization description

Blinding (investigator's opinion)
Single blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

1

Registry name
-

Secondary trial Id
-

Registration date
empty

Ethics committees

1

Ethics committee

Name of ethics committee
Ethics committee of Yasuj University of Medical Sciences

Street address
Yasuj University of Medical Sciences, Mottahari srteet, Yasuj, Iran

City
Yasuj

Postal code

Approval date
2016-12-30, 1395/10/10

Ethics committee reference number
IR.YUMS.REC.2016.150

Health conditions studied

1

Description of health condition studied
varicocele

ICD-10 code
186-1

ICD-10 code description
scrotal varices

Primary outcomes

1

Description
improvment of fertility and spermogram

Timepoint
befor and 3 months after operation

Method of measurement
with semen analysis

Secondary outcomes

1

Description
Pain relief

Timepoint
one week and one month after operation

Method of measurement
visit and examinatin and check by visual analogue scale

Intervention groups

1

Description
performing subinguinal varicocelectomy in supine position without using optic loop

Category
Treatment - Drugs

2

Description
performing inguinal varicocelectomy in supine position without using optic loop

Category
Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center
Shaheed Beheshti hospital

Full name of responsible person
Sadrollah Mehrabi

Street address
Shaheed Beheshi hospital, Montazeri street, Yasuj,Iran

City

Yasuj

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Research vice chancellor of Yasuj University of Medical Sciences
Full name of responsible person
Dr Ali Mousavizadeh
Street address
Mottahari street,Research vice chancelor, Yasuj University of Medical Sciences, , Iran
City
Yasuj
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Research vice chancellor of 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
Faculty of Medicine,Yasuj University of Medical Sciences
Full name of responsible person
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Other areas of specialty/work
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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*