Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Effect of varicocelectomy with and without inguinal herniorrhaphy on scrotal pain in patients with varicocel: a single blind randomized clinical trial

Protocol summary

Summary

Objectives: To assess the effect of varicocelectomy with and without inguinal herniorrhaphy on scrotal pain in patients with varicocel. Design: a single blind randomized clinical trial. Setting and conduct: The eligible patients with painful varicocel who will refer to Shahid Beheshti Hospital during the study period will be enrolled into the trial. Inclusion criteria: (a) age of 18 to 65 years; (b) candidate for varicocelectomy. Exclusion criteria: (a) varicocel without pain; (b) any contraindication for varicocelectomy or herniorrhaphy. Intervention: varicocelectomy with inguinal herniorrhaphy. Control: varicocelectomy without inguinal herniorrhaphy. Primary outcome: measuring the pain severity one week, one month, and three months after surgery using VAS scale. Secondary outcome: Nothing.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201504089014N60**
Registration date: **2015-04-25, 1394/02/05**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2015-04-25, 1394/02/05

Registrant information

Name

Jalal Poorolajal

Name of organization / entity

Department of Epidemiology & Biostatistics Hamadan University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Vice-chancellor for Research the Technology, Hamadan University of Medical Sciences

Expected recruitment start date

2015-04-04, 1394/01/15

Expected recruitment end date

2017-09-23, 1396/07/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of varicocelectomy with and without inguinal herniorrhaphy on scrotal pain in patients with varicocel: a single blind randomized clinical trial

Public title

Effect of varicocelectomy with and without inguinal herniorrhaphy on scrotal pain in patients with varicocel

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: (a) age of 18 to 65 years; (b) candidate for varicocelectomy. Exclusion criteria: (a) varicocel without pain; (b) any contraindication for varicocelectomy or herniorrhaphy.

Age

From **1 year** old to **65 years** old

Gender
Male

Phase
2
Groups that have been masked
No information
Sample size
Target sample size: **146**
Randomization (investigator's opinion)
Randomized
Randomization description
Blinding (investigator's opinion)
Single blinded
Blinding description
Placebo
Not used
Assignment
Parallel
Other design features
Randomization: random assignment of the patients to the intervention and control groups using balance block randomization of 4 groups. Blinding: patients will be under the local anesthesia and will not aware of the type of intervention. Therefore, the trial will be run as single blind.

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Research Ethic Committee of Hamadan University of Medical Sciences
Street address
Vice-chancellor of Research the Technology, Hamadan University of Medical Sciences, Shahid Fahmideh Ave
City
Hamadan
Postal code
6517838695
Approval date
2014-05-17, 1393/02/27
Ethics committee reference number
D/P/16/35/9/710

Health conditions studied

1

Description of health condition studied
Varicocel
ICD-10 code
I86.1
ICD-10 code description
Varicocele

Primary outcomes

1

Description
measuring the pain severity
Timepoint
one week, one month, and three months after surgery
Method of measurement
using VAS scale

Secondary outcomes

1

Description
Nothing
Timepoint
Nothing
Method of measurement
Nothing

Intervention groups

1

Description
Varicocelectomy with inguinal herniorrhaphy
Category
Treatment - Surgery

2

Description
Varicocelectomy without inguinal herniorrhaphy
Category
Treatment - Surgery

Recruitment centers

1

Recruitment center
Name of recruitment center
Shahid Beheshti Hospital
Full name of responsible person
Dr Ehsan Ghaneei
Street address
Shahid Beheshti Hospital, Eram Ave.
City
Hamadan

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice-chancellor for Research the Technology, Hamadan University of Medical Sciences
Full name of responsible person

Dr Saeid Bashirian

Street address

Hamadan University of Medical Sciences, Shahid Fahmideh Ave

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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 the Technology, Hamadan 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

Shahid Beheshti Hospital

Full name of responsible person

Dr Ehsan Ghaneei

Position

Medical student

Other areas of specialty/work

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Person responsible for updating data

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Associate Professor of Epidemiology

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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