

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Jul 2026

Evaluation of diameter of lumbar vein, renal vein, and gonadal vein in left kidney nephrectomy on the back table and its relationship with the prevalence of varicocele

Protocol summary

Study aim

En Evaluation of diameter of lumbar vein, renal vein, and gonadal vein in left kidney nephrectomy on the back table and its relationship with the prevalence of varicocele

Design

The study is a randomized, community-based, and pragmatic clinical trial consisting of 30 patients in 2 groups with a double-blind design

Settings and conduct

This study will be carried out at Tabriz Imam Hospital in a two-blind manner

Participants/Inclusion and exclusion criteria

Inclusion criteria: Candidate for nephrectomy surgery, Not having congenital genitourinary problems. Exit criteria: History of inguinal herniorrhaphy, History of orchiopexy, Patients with a history of coagulation disorders.

Intervention groups

En Intervention group: Patients are evaluated for clinical varicocele before surgery, then underwent left-sided nephrectomy, during the operation, the diameter of the lumbar vein, renal vein and gonadal vein will be evaluated. Patients are re-evaluated for varicocele after 4 months

Main outcome variables

Varicocele prevalence

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20200608047702N3**

Registration date: **2022-05-20, 1401/02/30**

Registration timing: **registered_while_recruiting**

Last update: **2022-05-20, 1401/02/30**

Update count: **0**

Registration date

2022-05-20, 1401/02/30

Registrant information

Name

Reza Ramezani

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 41 2321 0333

Email address

dr.ramezanireza70@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2022-04-22, 1401/02/02

Expected recruitment end date

2023-08-21, 1402/05/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of diameter of lumbar vein, renal vein, and gonadal vein in left kidney nephrectomy on the back table and its relationship with the prevalence of varicocele

Public title

Correlation of venous diameter in nephrectomy with the prevalence of varicocele

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria:

Candidate for nephrectomy surgery Not having congenital genitourinary problems

Exclusion criteria:

History of inguinal herniorrhaphy History of orchiopexy Patients with a history of coagulation disorders.

Age

From **18 years** old to **65 years** old

Gender

Both

Phase

N/A

Groups that have been masked

- Participant
- Outcome assessor

Sample size

Target sample size: **30**

Randomization (investigator's opinion)

Not randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

The person who evaluated the final outcomes was unaware of the random allocation process and the type of treatment performed. Data were analyzed by a statistical expert who was separated from the study process and unaware of all the processes performed

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Tabriz Medical School

Street address

International Relations Office, No 2 Central Building,
Tabriz University of Medical Sciences, University
Street, Tabriz

City

Tabriz

Province

East Azarbaijan

Postal code

5166614756

Approval date

2022-03-02, 1400/12/11

Ethics committee reference number

IR.TBZMED.REC.1400.1201

Health conditions studied

1

Description of health condition studied

varicocele

ICD-10 code

I86.1

ICD-10 code description

Scrotal varices

Primary outcomes

1

Description

Measuring testis

Timepoint

size in ml before and 3 months after surgery

Method of measurement

Using a pair of calipers

2

Description

Prevalence of varicocele

Timepoint

3 months after surgery

Method of measurement

through physical examination

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: In the intervention group, patients who underwent left-sided nephrectomy are evaluated for varicocele prevalence for 3 months. Varicocele is clinically divided into three grades: Grade 1 varicoceles are palpable only during Valsalva's maneuver; grade 2 varicoceles are palpable without Valsalva's maneuver, and grade 3 varicoceles are visible and palpable without Valsalva's maneuver.

Category

Treatment - Surgery

2

Description

Control group: In control group patients will be evaluated for clinical varicocele, prior to renal transplantation surgery.

Category

Diagnosis

Recruitment centers

1

Recruitment center

Name of recruitment center

Urology Ward, Imam Reza Hospital,

Full name of responsible person

Afshar Zomorodi

Street address

Urology ward, Emam Reza hospital, Golgasht ave.

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Postal code

5166614756

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+98 938 425 7137

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zomorrodiaf@gmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tabriz University of Medical Sciences

Full name of responsible person

Mohammad Samiee

Street address

Golgasht Street. Research and Technology, University of Tabriz

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5166614766

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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

Tabriz University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin**Type of organization providing the funding**

Academic

Person responsible for general inquiries

Contact

Name of organization / entity

Tabriz University of Medical Sciences

Full name of responsible person

Afshar Zomorodi

Position

Associate professor of urology

Latest degree

Subspecialist

Other areas of specialty/work

Urology

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Tabriz University of Medical Sciences

Full name of responsible person

Afshar Zomorodi

Position

Associate professor

Latest degree

Specialist

Other areas of specialty/work

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Person responsible for updating data

Contact

Name of organization / entity

Tabriz University of Medical Sciences

Full name of responsible person

Mona Rezai

Position

Urology Resident

Latest degree

Medical doctor

Other areas of specialty/work

Urology

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

No - There is not a plan to make this available

Statistical Analysis Plan

Yes - There is a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available

Title and more details about the data/document

A portion of the data that represents the final outcome

When the data will become available and for how long

Access will be 6 months after the results are printed.

To whom data/document is available

Urologic specialists in coordination with the presenter

Under which criteria data/document could be used

The use of data to improve patients' treatment processes is safe

From where data/document is obtainable

En The person responsible for updating study information

What processes are involved for a request to access data/document

Requesting data and study documents will be done by correspondence with the person responsible for updating the study information

Comments