

Clinical Trial Protocol

Iranian Registry of Clinical Trials

20 Jun 2026

Comparison of the results and complications of three surgical procedures: Hingoin Inguinal Basini, Liechtenstein, Reed-Reeves

Protocol summary

Study aim

Comparison of complications of three methods of Basini inguinal hernia surgery, Liechtenstein, Reed-Reeves

Design

Clinical trial with three intervention groups, without blinding, non randomized, on 120 patients.

Settings and conduct

in this non randomized clinical trial study, patients who underwent inguinal hernia repair surgery in Baqiyatallah Hospital according to the type of surgery, basin tissue repair method and mesh repair methods including Liechtenstein and Peritoneal and will be compared in terms of postoperative complications such as postoperative pain and postoperative scrotal hematoma and hernia recurrence and postoperative satisfaction.

Participants/Inclusion and exclusion criteria

Inclusion criteria: 1. Indirect inguinal hernia 2. No history of hernia neurasthenia on any side of the affected area 3. Age over 15 years 4 - No underlying disease that causes delay with no tissue repair (use of corticosteroids and weak immune system and chemotherapy) 5. Elective referral 6-BMI <30 7- No history of herniation and the need to place it in the desired position

Intervention groups

Three groups of 40 people Basini method, 40 Liechtenstein method, 40 peritoneal method (Reed-Reeves)

Main outcome variables

Duration of hernia repair surgery; Duration of hospitalization after surgery; Chronic pain at the operation site; Occurrence of hydrocele after surgery; Occurrence of urinary retention after surgery

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20210124050126N2**

Registration date: **2021-05-07, 1400/02/17**

Registration timing: **registered_while_recruiting**

Last update: **2021-05-07, 1400/02/17**

Update count: **0**

Registration date

2021-05-07, 1400/02/17

Registrant information

Name

Erfan Ashjaei

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 21 8670 5503

Email address

dr.erfan.ashjaei@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-10-22, 1398/07/30

Expected recruitment end date

2021-05-19, 1400/02/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the results and complications of three surgical procedures: Hingoin Inguinal Basini, Liechtenstein, Reed-Reeves

Public title

Comparison of the results and complications of three

surgical procedures: Hingoin Ingingal Basini,
Liechtenstein, Reed-Reeves

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

Age over 15 years BMI <30

Exclusion criteria:

Indirect inguinal hernia history of herniography to any
taste on the affected side disease's disease causes the
tissue to regenerate without remodeling (Use of
corticosteroids and weak immune system and
chemotherapy) history of herniation and the need to
place it in the desired position

Age

From **15 years** old to **65 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **120**

Randomization (investigator's opinion)

N/A

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Baqiyatallah University of
Medical Sciences

Street address

Vanak, TehranTown

City

Tehran

Province

Tehran

Postal code

1435915371

Approval date

2020-07-18, 1399/04/28

Ethics committee reference number

IR.BMSU.BAQ.REC.1399.026

Health conditions studied

1

Description of health condition studied

Inguinal hernia

ICD-10 code

K40

ICD-10 code description

Inguinal hernia

Primary outcomes

1

Description

Inguinal hernia recurrence.

Timepoint

6 months after surgery

Method of measurement

Questionnaire

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group 1: Basini method

Category

Treatment - Surgery

2

Description

Intervention group 2: Liechtenstein method

Category

Treatment - Surgery

3

Description

Intervention group 3: Reed reivs method

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center

Baqiyatallah hospital

Full name of responsible person

Mohamad javad Babaii

Street address

Tehran. Marzadaran. Next to the tea. No. 29. the unit

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Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Bagheiat-allah University of Medical Sciences

Full name of responsible person

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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

Bagheiat-allah 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**

Bagheiat-allah University of Medical Sciences

Full name of responsible person

Mohsamad javad Babaii

Position

General Surgery Resident

Latest degree

Medical doctor

Other areas of specialty/work

General Surgery

Person responsible for scientific inquiries**Contact****Name of organization / entity**

Bagheiat-allah University of Medical Sciences

Full name of responsible person

Mohamad javad Babaii

Position

General Surgery Resident

Latest degree

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Person responsible for updating data**Contact****Name of organization / entity**

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Full name of responsible person

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Latest degree

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Other areas of specialty/work

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Sharing plan**Deidentified Individual Participant Data Set (IPD)**

Yes - There is a plan to make this available

Study Protocol

Yes - There is 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

Yes - There is a plan to make this available

Data Dictionary

Yes - There is a plan to make this available

Title and more details about the data/document

Study data in coded format

When the data will become available and for how long

After completing the study

To whom data/document is available

Executors

Under which criteria data/document could be used

At the request of higher authorities to verify the information

From where data/document is obtainable

To the person in charge of the project

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

Email the person in charge of the project and mention the written request.

Comments