

# 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 Inguinal Basini,  
Liechtenstein, Reed-Reeves

### **Purpose**

Treatment

### **Inclusion/Exclusion criteria**

#### **Inclusion criteria:**

Age over 15 years BMI <30

#### **Exclusion criteria:**

Indirect inguinal hernia history of herniauraphy 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

##### **City**

Tehran

**Province**

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۱۴۶۴۸۴۷۱۸۹

**Phone**

+98 21 8825 4372

**Email**

dr.babaei\_md@yahoo.com

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

Bagheiat-allah University of Medical Sciences

**Full name of responsible person**

Mohamad javad Babaii

**Street address**

Tehran. Marzadaran. Next to the tea. No. 29. Unit 7

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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

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

Bagheiat-allah University of Medical Sciences

**Full name of responsible person**

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**Position**

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

Bagheiat-allah University of Medical Sciences

**Full name of responsible person**

Erfan Ashjaei

**Position**

general practioner

**Latest degree**

Medical doctor

**Other areas of specialty/work**

General Practitioner

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**Province**

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**Postal code**

1468794713

**Phone**

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**Email**

dr.erfan.ashjaei@gmail.com

**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**