

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

01 Jul 2026

### Comparison between complications of surgical repair of indirect inguinal hernia by Lichtenstein and Read-rives methods in the 20-40 year-old patients referred to Hamadan Besat Hospital

#### Protocol summary

##### Summary

Aim of study: To Compare complications of surgical repair of indirect inguinal hernia by Lichtenstein and Read-rives methods. Design: Randomized, Not blinded, single center. Study population: Twenty to forty year-old patients with indirect inguinal hernia referred to Hamadan Besat Hospital since 21 November 2012 until 19 March 2013(for 4 months). Inclusion Criteria: Twenty to forty year-old patients with unilateral indirect inguinal hernia. Exclusion Criteria: Mortality during and after the surgery, hematoma and infection of the surgery site. Volume: 86 patients. Interventions: Lichtenstein and Read-rives surgery methods. Time of intervention: During the procedure. Outcomes: operation time, hospital stay, postsurgical pain in two days, one week and three months after surgery and the recurrence of hernia in 6 months after surgery.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT201311018729N6**

Registration date: **2014-08-19, 1393/05/28**

Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2014-08-19, 1393/05/28

##### Registrant information

##### Name

Seyed Mohammad Reza Javadi

##### Name of organization / entity

Hamadan University of Medical Science

##### Country

Iran (Islamic Republic of)

##### Phone

+98 81 1264 0061

##### Email address

mr.javadi@umsha.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

-

##### Expected recruitment start date

2012-11-21, 1391/09/01

##### Expected recruitment end date

2013-03-19, 1391/12/29

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Comparison between complications of surgical repair of indirect inguinal hernia by Lichtenstein and Read-rives methods in the 20-40 year-old patients referred to Hamadan Besat Hospital

##### Public title

Comparison between two surgical methods of inguinal hernia repair

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

Inclusion Criteria: Twenty to forty years-old patients with unilateral indirect inguinal hernia. Exclusion Criteria: Mortality during and after the surgery, hematoma and infection of the surgery site.

##### Age

From **20 years** old to **40 years** old

**Gender**

Both

**Phase**

N/A

**Groups that have been masked***No information***Sample size**Target sample size: **86****Randomization (investigator's opinion)**

Randomized

**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 Hamadan University of Medical Sciences.

**Street address**

Hamadan University of Medical Sciences, Mahdie Blvd

**City**

Hamadan

**Postal code**

65178

**Approval date**

2012-11-19, 1391/08/29

**Ethics committee reference number**

160/35/9/3043/د/پ

**Health conditions studied****1****Description of health condition studied**

Unilateral Inguinal Hernia

**ICD-10 code**

k40.9

**ICD-10 code description**

Inguinal hernia (unilateral) NOS

**Primary outcomes****1****Description**

Duration of operation

**Timepoint**

After operation

**Method of measurement**

Minute-Clock-Patient case

**2****Description**

Hospital stay

**Timepoint**

After discharge

**Method of measurement**

Day-Patient case

**3****Description**

Pain after operation

**Timepoint**

2 days, 1 week and 3 months after surgery

**Method of measurement**

Number-Pain score

**4****Description**

Recurrence after surgery

**Timepoint**

6 months after surgery

**Method of measurement**

Surgeon idea-Physical exam

**Secondary outcomes**

empty

**Intervention groups****1****Description**

Repair of hernia by Read-Rives method in case group1

**Category**

Treatment - Surgery

**2****Description**

Repair of hernia by Lichtenstein method in case group2

**Category**

Treatment - Surgery

**Recruitment centers****1****Recruitment center****Name of recruitment center**

Besat Hospital

**Full name of responsible person**

Seyed Mohammad Reza Javadi

**Street address**

Besat Hospital, Ayatollah Motahari Blvd

City  
Hamadan

ندارد

## Sponsors / Funding sources

1

### Sponsor

**Name of organization / entity**

Vice Chancellor for Research, Hamadan University of Medical Sciences

**Full name of responsible person**

Dr.Saeed bashirian

**Street address**

Vice Chancellor for Research, Hamadan University of Medical Sciences, Mahdie Blvd

**City**

Hamadan

**Grant name**

ندارد

**Grant code / Reference number**

-

**Is the source of funding the same sponsor organization/entity?**

Yes

**Title of funding source**

Vice Chancellor for Research, 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**

Hamadan University of Medical Sciences

**Full name of responsible person**

Hesam Amini

**Position**

Resident of general Surgery

**Other areas of specialty/work**

**Street address**

Besat Hospital, Ayatollah Motahari Blvd

**City**

Hamadan

**Postal code**

**Phone**

+98 81 3264 0061

**Fax**

ندارد

**Email**

un120000@yahoo.com

**Web page address**

## Person responsible for scientific inquiries

### Contact

**Name of organization / entity**

Hamadan University of Medical Sciences

**Full name of responsible person**

Seyed Mohammad Reza Javadi

**Position**

General surgeon

**Other areas of specialty/work**

**Street address**

Besat Hospital, Ayatollah Motahari Blvd

**City**

Hamadan

**Postal code**

**Phone**

+98 81 3264 0061

**Fax**

-

**Email**

Mr.Javadi@umsha.ac.ir

**Web page address**

-

## Person responsible for updating data

### Contact

**Name of organization / entity**

Hamadan University of Medical Sciences

**Full name of responsible person**

Hesam Amini

**Position**

Resident of general surgery

**Other areas of specialty/work**

**Street address**

Besat Hospital, Ayatollah Motahari Blvd

**City**

Hamadan

**Postal code**

**Phone**

+98 81 3264 0061

**Fax**

-

**Email**

un120000@yahoo.com

**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*