

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 cener. 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

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Position

General surgeon

Other areas of specialty/work

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Person responsible for updating data

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Hesam Amini

Position

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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