

Clinical Trial Protocol

Iranian Registry of Clinical Trials

22 Jun 2026

Evaluation of effect of laparoscopic orchiopexy on descending testis in patients with non-palpable testis referred to surgery ward of Besat hospital of Hamedan and comparison with open surgery

Protocol summary

Summary

The aim of this study was to evaluate patients with non-palpable testes underwent laparoscopy in Besat hospital of Hamedan since June 2009 till June 2010 and to compare these results with open surgery in treating the same condition. During one year, 50 patients with non-palpable testis are evaluated in a quasi-experimental study. inclusion criteria: aging range between 1 to 12 year's old ; patients with bilateral undescended testis without response to medical treatment with HCG. Exclusion criteria: nonacceptance of patient's parents ; palpation of testis after anesthesia and before operation ; patient's death before ending of following time. patients based on the position of testis and vas deferens are assigned to perform a laparoscopic orchiopexy in one or two stages. Patients are underwent further evaluation after surgery. Palpation of testicles in the scrotal sac and their sizes considered as criteria for success in surgery. At the end of the study, surgical site infection, injury to the vas deferens, damage formation to gonadal vessels, scrotal hematoma, and the mortality rate are evaluated.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201103015945N1**
Registration date: **2011-06-20, 1390/03/30**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2011-06-20, 1390/03/30

Registrant information

Name

Majid Rezaii Tavirani

Name of organization / entity

Hamedan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 81 1264 0081

Email address

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Recruitment status

Recruitment complete

Funding source

Vice chancellor of research for Hamedan University of Medical Sciences

Expected recruitment start date

2009-05-22, 1388/03/01

Expected recruitment end date

2010-05-22, 1389/03/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of effect of laparoscopic orchiopexy on descending testis in patients with non-palpable testis referred to surgery ward of Besat hospital of Hamedan and comparison with open surgery

Public title

treatment of impalpable testis

Purpose

Treatment

Inclusion/Exclusion criteria

inclusion criteria: aging range between 1 to 12 year's old ; patients with bilateral undescended testis without

response to medical treatment with HCG Exclusion criteria: nonacceptance of patient's parents ; palpation of testis after anesthesia and before operation ; patient's death before ending of following time

Age

From **1 year** old to **12 years** old

Gender

Male

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: **50**

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 Hamedan University of Medical Sciences

Street address

Hamedan University of Medical Sciences, Shahid Fahmide avenue, Hamedan

City

Hamedan

Postal code

Approval date

2011-02-07, 1389/11/18

Ethics committee reference number

16/35/9/172853

Health conditions studied

1

Description of health condition studied

impalpable testis

ICD-10 code

Q53.1, Q53

ICD-10 code description

Undescended testicle, unilateral, Undescended testicle, bilateral, Undescended testicle, unspecified

Primary outcomes

1

Description

testis existence in scrotum

Timepoint

6 month

Method of measurement

palpation

Secondary outcomes

1

Description

scrotal hematoma

Timepoint

during 6 month after intervention

Method of measurement

observation and examination

2

Description

Surgical site infection

Timepoint

During 6 month after intervention

Method of measurement

Observation & examination

3

Description

Damage formation to gonadal vessels

Timepoint

During 6 month after intervention

Method of measurement

Observation & examination

4

Description

Injury to the vas deferens

Timepoint

During 6 month after intervention

Method of measurement

Observation & examination

5

Description

Mortality rate

Timepoint

During 6 month after intervention

Method of measurement

Observation & examination

Intervention groups

1

Description

Laparoscopy (minimally invasive procedure without requirement to surgical incision)

Category

Treatment - Surgery

2

Description

Open surgery in impalpable testis treatment

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center

Hamedan Besat hospital

Full name of responsible person

Dr.Majid Rezaii Tavirani

Street address

Hamedan Besat hospital, Shahid Motahari avenue,
Hamedan

City

Hamedan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor of research for Hamedan University of
Medical Sciences

Full name of responsible person

Dr.Alireza Monsef Esfehani

Street address

Hamedan Besat Hospital, Shahid Motahari avenue,
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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

Vice chancellor of research for Hamedan 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

Hamedan University of Medical Sciences

Full name of responsible person

Dr.Majid Rezaii Tavirani

Position

Post graduate

Other areas of specialty/work

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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