

Clinical Trial Protocol

Iranian Registry of Clinical Trials

14 Jul 2026

Effectiveness of ovarian suspensions in preventing post-operative ovarian adhesion in women with severe pelvic endometriosis

Protocol summary

Summary

To evaluate postoperative adhesion after laparoscopic surgery for endometrioma ovarian suspension is evaluated. Endometriosis is one of the leading cause of morbidity in women of reproductive age. Endometriosis is common in Iran, so a safe surgery has an important role in women health in Iran. Typical symptoms of endometriosis are dysmenorrhea, dyspareunia, pelvic pain and infertility, that all of them have negative impact on quality of life of patients. Excisional surgery is one of the most effective treatment modalities for advance pelvic endometriosis. However laparoscopic surgery has fewer adhesion formation regarding laparotomy, many of patients after laparoscopy develop adhesion formation. Adhesion formation are occurred on ovaries, and posterior culdesac and results chronic pelvic pain, dyspareunia, dysmenorrhea, bowel obstruction and infertility. All patients with bilateral ovarian endometrioma who are candidate for laparoscopic surgery are included in the study. During surgery ovarian suspension is done for better exposure of pelvic floor and posterior cul de sac, after completing surgery suture are released. At present trial suture in one side is saved and as the placebo a superficial suture in other site is applied but ovary is in normal position in this site and other ovary is suspended. After 7 day both suture are removed. At the same day and 2 months later transvaginal sonogram is done for evaluation of ovarian adhesion in both sides.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201402122576N9**

Registration date: **2015-11-20, 1394/08/29**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2015-11-20, 1394/08/29

Registrant information

Name

Fatemeh Davari Tanha

Name of organization / entity

Tehran University of Medical Sciences

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Phone

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Recruitment status

Recruitment complete

Funding source

Tehran University of Medical Sciences

Expected recruitment start date

2015-12-01, 1394/09/10

Expected recruitment end date

2016-12-01, 1395/09/11

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effectiveness of ovarian suspensions in preventing post-operative ovarian adhesion in women with severe pelvic endometriosis

Public title

Effectiveness of ovarian suspensions in preventing post-operative ovarian adhesion in women with severe pelvic endometriosis

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: Patients with endometriosis stage 3-4;

Bilateral ovarian endometrioma Exclusion criteria:

History of pelvic or abdominal tuberculosis; Patients without informed consent for participating in study

Age

From **18 years** old to **45 years** old

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **50**

Randomization (investigator's opinion)

Randomized

Randomization description**Blinding (investigator's opinion)**

Double blinded

Blinding description**Placebo**

Used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethicas Committee of research deputy of Tehran
University of Medical Sciences

Street address

5th floor, Central building of Tehran University of
Medical Sciences, Ghods Ave, Keshavarz Blvd

City

Tehran

Postal code**Approval date**

2015-11-01, 1394/08/10

Ethics committee reference number

IR.TUMS.REC.1394.1147

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

Endometriosis

ICD-10 code

N80.1

ICD-10 code description

Endometriosis of ovary

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

Evaluation of ovarian adhesion

Timepoint

7th day

Method of measurement

Transvaginal sonography

Secondary outcomes

empty

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

Intervention: Ovary is suspended by suture at the time of surgery

Category

Treatment - Surgery

2**Description**

Control : Contralateral ovary is left insitu but a suture is applied on surface as placebo

Category

Treatment - Surgery

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

Mirza Koch Khan(Mohebe Yas) Hoapital

Full name of responsible person

Fatemeh Davari Tanha

Street address

North Ostad Nejatollahi avenue, Karim Khan Zand
Bridge ,Vila street

City

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2**Recruitment center****Name of recruitment center**

Infertility & Recurrent abortion Center of AVECINNA

Full name of responsible person

Atefe Gorgin

Street address

No 97, Yakhchal Avenue, Shariati Street

City

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Research deputy of Tehran University of Medical Sciences

Full name of responsible person

Masoud Yunesian

Street address

Fifth floor- Central building of Tehran University of Medical Sciences-Ghods Ave- Keshavarz Blv

City

Tehran

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Research deputy of Tehran 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**

Tehran University of Medical Sciences

Full name of responsible person

Fatemeh Davari Tanha

Position

Associate professor

Other areas of specialty/work**Street address**

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Infertility fellowship

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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