Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

Assessment of ovarian reserve of patients with endometrioma after total and partial laparosccopic surgery with ovary cauterization

Protocol summary

Summary

The aim of this study is to assess of ovarian reserve of patients with endometrioma after total and partial laparosccopic surgery with ovary cauterization. This is a randomized and single center study. Inclusion criteria are patients aged between 15- 45 years old; with regular menstruation; Caught in terms of ovarian endometrioma and pelvic problems. Exclusion criteria are: history of ovarian surgery and chemotherapy; pelvic adhesion; underlying endocrine disease. number of 72 patients will be entered the study. The blood level of Anti-Mullerian Hormone FSH, LH, Estradiol of all patients will be measured before surgery. Then patients randomly will be divided into two groups. In control group, the total cystectomy will be done and in intervention group cyst will be removed 80% and the remnant will be cauterized with40 watt bipolar Cautery. After 3 months, the level of hormones will be measured again nad ovarian reserve will be compared in two groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016030626698N2**
Registration date: **2016-03-18, 1394/12/28**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2016-03-18, 1394/12/28

Registrant information

Name

Mahroo Rezaeinejad

Name of organization / entity

Tehran University of Medical Science

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Tehran University of Medical Sciences

Expected recruitment start date

2016-02-20, 1394/12/01

Expected recruitment end date

2016-07-22, 1395/05/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Assessment of ovarian reserve of patients with endometrioma after total and partial laparosccopic surgery with ovary cauterization

Public title

The effect of total and partial laparosccopic surgery of endometrioma on ovarian reserve

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: age between 15- 45 years old; regular menstruation; Caught in terms of ovarian endometrioma; pelvic problems Exclusion criteria: history of ovarian surgery and chemotherapy; pelvic adhesion; underlying endocrine disease

Age

From **15 years** old to **45 years** old

Gender

Female

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **72**
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
Tehran University of Medical Sciences
Street address
Qods St, Keshavarz Blvd
City
Tehran
Postal code
Approval date
2015-12-05, 1394/09/14
Ethics committee reference number
IR.TUMS.REC.1394.1346

Health conditions studied

1

Description of health condition studied
ovarian reserve
ICD-10 code
S37.4
ICD-10 code description
Injury of ovary

Primary outcomes

1

Description
Ovarian reserve
Timepoint
Before and 3 months after surgery
Method of measurement
Blood sampling

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: cyst will be removed and the rest will be cauterized by a 40 watt cautery device.
Category
Treatment - Surgery

2

Description
control group: total cystectomy will be done.
Category
Treatment - Surgery

Recruitment centers

1

Recruitment center
Name of recruitment center
Arash women hospital
Full name of responsible person
Street address
City
Tehran

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Tehran University of Medical Sciences, research deputy
Full name of responsible person
Dr Masoud Younesian
Street address
Qouds street, Keshavarz boulvard
City
Tehran
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Tehran University of Medical Sciences, research deputy
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 Science, Arash women hospital

Full name of responsible person

Mah rou Rezaee Nejad

Position

women specialist

Other areas of specialty/work

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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