

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

12 Jul 2026

### Assessment of ovarian reserve of patients with endometrioma after total and partial laparoscopic 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 laparoscopic 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 with 40 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)

##### Phone

+98 21 7771 9922

##### Email address

m-rezaeinejad@razi.tums.ac.ir

##### 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 laparoscopic surgery with ovary cauterization

##### Public title

The effect of total and partial laparoscopic 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 boulevard

**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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## Person responsible for scientific inquiries

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## Person responsible for updating data

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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*