Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Comparative Study of the Effect of "Electrocautery" and "Suture" Homeostasis on Laparoscopic non-endometriotic benign Ovarian Cyst on Mean Anti mullerian Hormone Levels

Protocol summary

Study aim

1. Determination and Comparison of the Effect of "Electrocautery" and "Suture" Hemostasis Methods on Laparoscopic non-endometriotic Benign Ovarian Cysts on Mean Anti Mullerian Hormone Levels 2. Determination and Comparison of Mean Anti Mullerian Hormone Levels in Two Groups of Patients (Hemostasis with Electrocautery and Suture) before and Three Months after Laparoscopic Cystectomy

Design

A clinical trial with randomized parallel groups; total sample size 50 patients

Settings and conduct

Individuals of Reproductive Age who are Candidates for Excision of Non-endometriotic Ovarian Cysts with Laparoscopic Benign Features are Identified. Patients'AMH and Hemoglobin Levels in these Patients are Measured Preoperatively in a Single Center at Al-Zahra Hospital Laboratory.Intraoperative Bleeding will be Control Randomly using a Bi-polar or Suture . Patients will also be Monitored for Hemoglobin 24 hours after Surgery and will be Measured and AMH was Recorded again three Months after Surgery.

Participants/Inclusion and exclusion criteria

Informed Consent, Ages 15 to 42,Having Criteria for Ovarian Cyst Removal; Malignant Ovarian Cysts, Ovarian Endometriotic Cysts, History of Malignant Disease and Receiving Chemotherapy, History of Ovarian Surgery, Patients with a History of Illness and Coagulation Problems

Intervention groups

Randomly Controlled Bleeding by Cutter or Suture And Comparison of the Effect of Two Methods on Mean Level of Anti-Mullerian Hormone

Main outcome variables

Evaluation of the Better Effectiveness of "Electrocautery" and "Suture" Hemostasis on Mean Anti Mullerian Hormone Levels

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20200113046116N1**
Registration date: **2020-02-08, 1398/11/19**
Registration timing: **registered_while_recruiting**

Last update: **2020-02-08, 1398/11/19**
Update count: **0**

Registration date

2020-02-08, 1398/11/19

Registrant information

Name
Mahsa Tavoli
Name of organization / entity
Country
Iran (Islamic Republic of)
Phone
+98 31 3273 0922
Email address
mehdikhosravi29@yahoo.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2020-02-04, 1398/11/15

Expected recruitment end date

2020-06-19, 1399/03/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date
empty

Scientific title
Comparative Study of the Effect of "Electrocautery" and "Suture" Homeostasis on Laparoscopic non-endometriotic benign Ovarian Cyst on Mean Anti mullerian Hormone Levels

Public title
Comparison of "Electrocautery" and "Suture" Mean Anti mullerian Hormone Levels
Purpose
Treatment
Inclusion/Exclusion criteria
Inclusion criteria:
Individuals who entered the study with informed consent People aged 15 to 42 years The patient has criteria for removal of the ovarian cyst
Exclusion criteria:
Ovarian malignant cysts Ovarian endometriotic cysts A history of malignant diseases and receiving chemotherapy People with a history of ovarian surgery Patients with a history of illness and coagulation problems
Age
From **15 years** old to **42 years** old
Gender
Female

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **50**
Randomization (investigator's opinion)
Not 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 Isfahan University of Medical Sciences
Street address
Isfahan University of Medical Sciences, Hezar Jarib
City
Isfahan
Province
Isfehan
Postal code
8154735811
Approval date
2019-05-08, 1398/02/18
Ethics committee reference number
IR.MUI.MED.REC.1397.329

Health conditions studied

1

Description of health condition studied
"electrocautery" , "suture" , laparoscopic non-endometriotic benign ovarian cyst ,mean Anti mullerian hormone levels
ICD-10 code
N83.2
ICD-10 code description
Other and unspecified ovarian cysts

Primary outcomes

1

Description
Mean anti mullerian hormone levels
Timepoint
Before surgery and 3 months after surgery
Method of measurement
with cobas411 device

Secondary outcomes

1

Description
Hemoglobin level
Timepoint
Before surgery and the day after surgery
Method of measurement
Test

Intervention groups

1

Description
Intervention group: homeostasis with suture. After laparoscopic benign ovarian cyst removal, patients underwent a suture for homeostasis and preoperative and 3 months postoperative antimalarial hormone levels were measured by Kobas mMachine in Al-Zahra hospital laboratory.
Category
Treatment - Devices

2

Description
Intervention group: homeostasis with electrocautery. After laparoscopic benign ovarian cyst removal, patients underwent cutter for homeostasis and preoperative and 3 months postoperative antimalarial hormone levels were measured by Kobas machine in Al-Zahra hospital laboratory.

Category
Treatment - Devices

Recruitment centers

1

Recruitment center

Name of recruitment center
Al Zahra hospital

Full name of responsible person
Mahsa Tavoli

Street address
Sofeh Ave, Al Zahra hospital

City
Isfahan

Province
Isfehan

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8154735811

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+98 31 3273 0922

Email
mehdikhosravi29@yahoo.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Esfahan University of Medical Sciences

Full name of responsible person
Shaghaegh Haghjoo

Street address
Hezar Jerib Ave

City
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Province
Isfehan

Postal code
81746-73461

Phone
+98 31 3668 8138

Email
research@mui.ac.ir

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?
Yes

Title of funding source
Esfahan University of Medical Sciences

Proportion provided by this source
100

Public or private sector
Public

Domestic or foreign origin
Domestic

Category of foreign source of funding
empty

Country of origin

Type of organization providing the funding
Academic

Person responsible for general inquiries

Contact

Name of organization / entity
Esfahan University of Medical Sciences

Full name of responsible person
Mahsa Tavoli

Position
Resident

Latest degree
Specialist

Other areas of specialty/work
Gynecology and Obstetrics

Street address
Al Zahra hospital, Sofeh Ave.

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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)
Yes - There is a plan to make this available

Study Protocol
Yes - There is a plan to make this available

Statistical Analysis Plan
Yes - There is a plan to make this available

Informed Consent Form
Yes - There is a plan to make this available

Clinical Study Report
Yes - There is a plan to make this available

Analytic Code
Yes - There is a plan to make this available

Data Dictionary
Yes - There is a plan to make this available

Title and more details about the data/document
All Data Can be Shared، After Patients are Unrecognizable

When the data will become available and for how long
Start of Access Period from 1399

To whom data/document is available
All Interested People

Under which criteria data/document could be used
Commitment to Mention the Main Source

From where data/document is obtainable
Mahsa Tavoli, mehdikhosravi29@yahoo.com

What processes are involved for a request to access data/document
Send Request by Email

Comments