

Clinical Trial Protocol

Iranian Registry of Clinical Trials

01 Jul 2026

Comparison of endometrial thickness in the frozen embryo transfer (ET) with and without the use of gonadotropin-releasing hormone (GNRH) along with taking estradiol

Protocol summary

Study aim

Comparison of endometrial thickness in the freeze embryo transfer (ET) with and without the use of gonadotropin-releasing hormone (GnRH-a) along with taking estradiol

Design

This study is a non-blinded clinical trial. The study population will be included all infertile women referred to Motazedi hospital of Kermanshah city. A total of 65 eligible infertile women will be selected conveniently and randomly will be assigned to intervention and control groups.

Settings and conduct

This study which will be conducted in Motazedi hospital of Kermanshah city is non-blinded one. The day before progesterone begins, the thickness of the endometrium is done and is recorded in a checklist

Participants/Inclusion and exclusion criteria

Inclusion criteria: Less than or equal to 42 years old; Less than 10 mL / mlU of FSH level. Exclusion criteria: Patients with asthma, systemic diseases, gastrointestinal disorders

Intervention groups

The intervention group will receive 0.1 mg Gonadotropin-releasing hormone antagonists(GNRH-a) manufactured by Iran Hormones and OC tablets (with the 21 tablets per packs, manufactured by Iran Hormones)in addition to estradiol tablets. The control group only will receive estradiol.

Main outcome variables

Endometrial thickness

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20130812014333N109**

Registration date: **2018-12-15, 1397/09/24**

Registration timing: **registered_while_recruiting**

Last update: **2018-12-15, 1397/09/24**

Update count: **0**

Registration date

2018-12-15, 1397/09/24

Registrant information

Name

Feizollah Foroughi

Name of organization / entity

kermanshah University of Medical Sciences

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-12-06, 1397/09/15

Expected recruitment end date

2019-02-04, 1397/11/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of endometrial thickness in the frozen embryo transfer (ET) with and without the use of

gonadotropin-releasing hormone (GNRH) along with taking estradiol

Public title

Comparison of endometrial thickness in frozen embryo transfer in infertile women

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

Less than or equal to 42 years old Less than 10 mL / mIU of FSH level

Exclusion criteria:

Patients with asthma, Systemic diseases, Gastrointestinal disorders

Age

To 42 years old

Gender

Female

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: 65

Randomization (investigator's opinion)

Randomized

Randomization description

Randomly Individually by random number table via code receipt

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 Kermanshah University of Medical Sciences

Street address

Vice Chancellor for Research Affairs, Kermanshah University of Medical Sciences, Building No.2, Shahid Beheshti

City

Kermanshah

Province

Kermanshah

Postal code

6715847141

Approval date

2018-09-11, 1397/06/20

Ethics committee reference number

ir.kums.rec.1397.518

Health conditions studied

1

Description of health condition studied

Infertility

ICD-10 code

N00-N99

ICD-10 code description

Noninflammatory disorders of female genital tract

Primary outcomes

1

Description

Endometrial thickness

Timepoint

The beginning and end of the study

Method of measurement

Using an ultrasound machine

Secondary outcomes

empty

Intervention groups

1

Description

The intervention group will receive 0.1 mg Gonadotropin-releasing hormone antagonists(GNRH-a) manufactured by Iran Hormones and OC tablets (with the 21 tablets per packs, manufactured by Iran Hormones)in addition to estradiol tablets

Category

Treatment - Drugs

2

Description

The control group only will receive estradiol.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Motazedi Hospital

Full name of responsible person

Maryam Fassihi

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Ferdowsi Square

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
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Full name of responsible person
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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
Kermanshah 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
Kermanshah University of Medical Sciences
Full name of responsible person
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Resident of Obstetrics and Gynecology
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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

Not applicable

Data Dictionary

Yes - There is a plan to make this available

Title and more details about the data/document

The main outcomes of the study will be shared.

When the data will become available and for how long

4months

To whom data/document is available

If requested, results will be made available to other academic researchers

Under which criteria data/document could be used

Collected data is confidential and will not be shared with anyone else

From where data/document is obtainable

To receive the documentation, email send for update manager

What processes are involved for a request to access data/document

In a 25-day period, the documents will be sent e-mail

Comments