

Clinical Trial Protocol

Iranian Registry of Clinical Trials

04 Jul 2026

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

Protocol summary

Study aim

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

Design

This is a nonblinded clinical trial. The study population includes all infertile women who are candidates for embryo transfer and refer to Motazedi hospital of Kermanshah city during 2016-2018.65 eligible patients will be selected conveniently and randomly assigned to two intervention and control groups.

Settings and conduct

This study, which will be conducted in Motazadi hospital of Kermanshah city, is nonblinded one. The infertile female who candidate for embryo transfer will be examined according to the treatment procedures of the center during the embryo transfer period. If embryo transfer does not result in pregnancy for any reason, then in the next cycle, will be treated with estradiol and GnRH-a pills.

Participants/Inclusion and exclusion criteria

Inclusion criteria: Less than or equal to 42 years old; The FSH level is less than 10 ml/mIU Exclusion criteria: Patients with asthma, systemic diseases and digestive disorders

Intervention groups

The intervention group, in addition to the estradiol tablet, will receive an antagonist gonadotropin-releasing hormone in 0.1 mg injection (manufactured by Iran Hormones Inc). The control group will receive the estradiol tablet in packages of 21 one (manufactured by Iran).

Main outcome variables

Rate of fertile

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20130812014333N104**

Registration date: **2018-10-07, 1397/07/15**

Registration timing: **prospective**

Last update: **2018-10-07, 1397/07/15**

Update count: **0**

Registration date

2018-10-07, 1397/07/15

Registrant information

Name

Feizollah Foroughi

Name of organization / entity

Kermanshah University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 83 1821 4653

Email address

fforoughi@kums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-10-17, 1397/07/25

Expected recruitment end date

2019-04-19, 1398/01/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

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

Public title

Comparison of endometrial thickness in freeze embryo transfer (ET) with the use of gonadotropin-releasing hormone (GnRH-a) agonists

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

Less than or equal to 42 years old The FSH level is less than 10 ml/mIU

Exclusion criteria:

Patients with asthma, systemic diseases and digestive disorders

Age

No age limit

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. In this way, cards are matched in appearance, 65 of which are code 1 identifying the intervention group, and 65 of them are code 2, which specifies the control group. Then, each participant randomly selects one of these cards.

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

2018-06-13, 1397/03/23

Ethics committee reference number

ir.kums.rec.1397.137

Health conditions studied

1

Description of health condition studied

Infertility

ICD-10 code

N97

ICD-10 code description

Female infertility

Primary outcomes

1

Description

Rate of fertile

Timepoint

The beginning and end of the study

Method of measurement

Using Ultrasound machine

Secondary outcomes

empty

Intervention groups

1

Description

The intervention group, in addition to the estradiol tablet, will receive an antagonist gonadotropin-releasing hormone in 0.1 mg injection (manufactured by Iran Hormones Inc).

Category

Treatment - Drugs

2

Description

The control group will receive the estradiol tablet in packages of 21 one (manufactured by Iran).

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Motazedi

Full name of responsible person

Marayam Fassihi

Street address

Ferdowsi Square

City

Kermanshah

Province

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6715847141

Phone

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Email

Drfassihi92@gmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Kermanshah University of Medical Sciences

Full name of responsible person

Dr. Farid Najafi

Street address

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

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fnajafi@kums.ac.ir

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

Maryam Fassihi

Position

Resident of Obstetrics and Gynecology

Latest degree

Medical doctor

Other areas of specialty/work

Gynecology and Obstetrics

Street address

Emam Reza Hospital, Parastar Boulevard

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Kermanshah University of Medical Sciences

Full name of responsible person

Dr. Taravat Fakheri

Position

Faculty Member of Kermanshah University of Medical
Sciences

Latest degree

Subspecialist

Other areas of specialty/work

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Person responsible for updating data

Contact

Name of organization / entity

Kermanshah University of Medical Sciences

Full name of responsible person

Maryam Fassihi

Position

Resident of Obstetrics and Gynecology

Latest degree

Medical doctor

Other areas of specialty/work

Gynecology and Obstetrics

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Email

Drfassihi92@gmail.com

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

The main outcomes of the study will be shared.

When the data will become available and for how long

4 months

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 15-day period, the documents will be sent e-mail

Comments