Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 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 tow 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, 65of which are code 1 identifying the intervention group, and 65of 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
Kermanshah

Postal code
6715847141

Phone
+98 83 3424 6351

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

City
Kermanshah

Province
Kermanshah

Postal code
6715847141

Phone
+98 83 3836 0014

Email
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

City
kermanshah

Province
Kermanshah

Postal code
6715847141

Phone
+98 34276309

Email
Drfassihi92@gmail.com

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
Gynecology and Obstetrics

Street address
Emam Reza Hospital, Parastar Boulevard

City
Kermanshah

Province
Kermanshah

Postal code
6715847141

Phone
+98 34276309

Email
Fakheritaravats@yahoo.com

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

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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