

Clinical Trial Protocol

Iranian Registry of Clinical Trials

20 Jun 2026

Comparing in vitro fertilization outcomes in antagonist protocol triggering within 3 groups of GnRH agonist, hCG, dual (GnRH and hCG) in infertile women

Protocol summary

Registration timing: **registered_while_recruiting**

Study aim

Comparing in vitro fertilization outcomes in antagonist protocol triggering within 3 groups of GnRH agonist, hCG, dual (GnRH and hCG) in infertile women

Last update: **2020-03-23, 1399/01/04**

Update count: **0**

Registration date

2020-03-23, 1399/01/04

Design

international clinical trial, phase 2-3, 108 infertile women in ovulation induction cycle will be randomized based on the randomization table, from www.randomization.org.

Registrant information

Name

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 71 3233 2365

Email address

shaghayeghmoradi84@gmail.com

Settings and conduct

Patients undergoing IVF at Mother and Child Hospital All will undergo antagonist protocol and are divided into three groups on the day of final ovulation stimulation: group one: 0.2 mg dipherelin, group two: 10000 unit human chorionic gonadotropin unit, The other group in addition to 0.2 mg of dipherelin 1500 units of human chorionic gonadotropin

Recruitment status

Recruitment complete

Funding source

Participants/Inclusion and exclusion criteria

Inclusion criteria: 18-40 years women infertile women Follicular stimulating hormone <12U/lit menstruation interval 25-34 days Having both ovaries Exclusion criteria: Endocrine disease, uterine anomaly

Expected recruitment start date

2020-03-11, 1398/12/21

Expected recruitment end date

2020-09-20, 1399/06/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Intervention groups

three groups on the day of final ovulation stimulation: one 0.2 mg dipherelin group, one 10000 unit human chorionic gonadotropin unit, one The group in addition to 0.2 mg of dipherelin 1500 units of human chorionic gonadotropin

Main outcome variables

Clinical pregnancy rate

Scientific title

Comparing in vitro fertilization outcomes in antagonist protocol triggering within 3 groups of GnRH agonist, hCG, dual (GnRH and hCG) in infertile women

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20160130026260N2**

Registration date: **2020-03-23, 1399/01/04**

Public title

In vitro fertilization outcome triggered with different dosage of GnRH and hCG in antagonist protocol

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

18-40 years women Follicular stimulating hormone lower than 12U/lit menstruation interval 25-34days Having both ovaries infertile women

Exclusion criteria:

Endocrine disease uterine anomaly

Age

From **18 years** old to **40 years** old

Gender

Female

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: **108**

Randomization (investigator's opinion)

Randomized

Randomization description

Randomization:patients in ovulation induction cycle will be randomized based on the randomization table, from www.randomization.org.

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 Shiraz University of Medical Science

Street address

Vice Chancellor of research, Shiraz University of Medical Sciences, 7th floor, central building of Shiraz University of Medical Sciences, Zand street

City

Shiraz

Province

Fars

Postal code

7134844119

Approval date

2015-06-09, 1394/03/19

Ethics committee reference number

IR.SUMS.med.REC.1394.27

Health conditions studied

1

Description of health condition studied

infertility patients going ivf

ICD-10 code

N97

ICD-10 code description

Female infertility

Primary outcomes

1

Description

Clinical pregnancy rate

Timepoint

2 months after embryo transfer

Method of measurement

Ultrasonography

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Administration of 0.2 mg Dipherellin on the triggering day of ovulation

Category

Treatment - Drugs

2

Description

Intervention group: Administration of 0.2 mg Dipherellin and 1500 unit HCG on the triggering day of ovulation

Category

Treatment - Drugs

3

Description

Intervention group: Administration of 10000 unit HCG on the triggering day of ovulation

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Ghadir Mother and Child Hospital

Full name of responsible person

Shaghayegh Moradi Alamdarloo

Street address

Before Quran Gate, Golshan town

City

Shiraz

Province

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Postal code

7134544119

Phone

+98 71 3233 2365

Email

shaghayeghmordi84@gmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Shiraz University of Medical Sciences

Full name of responsible person

Dr. Younes Ghasemi

Street address

Vice chancellor of research, 7th floor of central building of Shiraz University of Medical Sciences, Zand street

City

Shiraz

Province

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Postal code

71348 -44119

Phone

+98 71 3230 5410

Email

sacrc@sums.ac.ir

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Shiraz 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

Shiraz University of Medical Sciences

Full name of responsible person

Shaghayegh Moradi Alamdarloo

Position

Gynecologist

Latest degree

Specialist

Other areas of specialty/work

Gynecology and Obstetrics

Street address

Obstetrics department , Faghihi Hospital, Zand Street

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Email

shaghayeghmoradi84@gmail.com

Person responsible for scientific inquiries

Contact

Name of organization / entity

Shiraz University of Medical Sciences

Full name of responsible person

Alamtaj Samsami Dehaghani

Position

Infertility fellowship

Latest degree

Specialist

Other areas of specialty/work

Gynecology and Obstetrics

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Person responsible for updating data

Contact

Name of organization / entity

Shiraz University of Medical Sciences

Full name of responsible person

Shaghayegh Moradi Alamdarloo

Position

gynecologist

Latest degree

Specialist

Other areas of specialty/work

Gynecology and Obstetrics

Street address

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7134844119

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Email

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Sharing plan**Deidentified Individual Participant Data Set (IPD)**

Yes - There is a plan to make this available

Study Protocol

No - There is not a plan to make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

No - There is not a plan to make this available

Clinical Study Report

No - There is not a plan to make this available

Analytic Code

No - There is not a plan to make this available

Data Dictionary

No - There is not a plan to make this available

Title and more details about the data/document

Hormonal data, ovarian stimulation data, embryo transfer data, pregnancy outcome

When the data will become available and for how long

6 month after acceptance of paper

To whom data/document is available

People who want to do work in this area and have scientific documentation can

Under which criteria data/document could be used

Valid Scientific Persons By Presenting Relevant Documents

From where data/document is obtainable

An email to corresponding author

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

Accepting permission from the Shiraz University of Medical Sciences's security and confirming the receipt of the file

Comments