

Clinical Trial Protocol

Iranian Registry of Clinical Trials

29 Jun 2026

Comparison of pregnancy outcomes in two ways in the early stages of transition and transfer of Blastocyst in IVF in Asr Hospital.

Protocol summary

Summary

One of the strategies frequently failed IVF is embryo transfer in blastocyst stage and It is compared with embryo transfer in 2-3 days .Therefore, a study was conducted with this objective . . In this study, 100 women 20-40 years with more than 2 failed IVF embryo transfer randomly divided into two groups. 21 cycles of agonists, GnRH 500 mcg subcutaneously Will continue until the day of HCG injection. And the next cycle of 2-3 days Gonadotropin 150 IU is injected . Based on ovarian response, the drug dose is increased . And the size of the follicle reaches 18-20 mm, HCG injections are administered at a dose of 10,000 units. 36 hours after the eggs have been taken AND IVF with using sperm with eggs are fertilized . in the first group or the intervention early cleavage stage or 2-3 day old embryos are transferred and In the second or control group at the blastocyst stage (5 days) is passed. To all patients for luteal phase support suppositories Progesterone (Cyclojest t) 800 mg is administered . Success in reaching the stage of embryo transfer, Canceled cycles, pregnancy and abortion are the study outcomes .

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201310025181N11**

Registration date: **2013-10-15, 1392/07/23**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2013-10-15, 1392/07/23

Registrant information

Name

Batool Rashidi

Name of organization / entity

Vali E Asr Reproductive Health Research Center

Country

Iran (Islamic Republic of)

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+98 21 6693 9320

Email address

bhrashidi@tums.ac.ir

Recruitment status

Recruitment complete

Funding source

Medical Research Council ,Tehran University of Medical Sciences .

Expected recruitment start date

2012-09-22, 1391/07/01

Expected recruitment end date

2013-09-23, 1392/07/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of pregnancy outcomes in two ways in the early stages of transition and transfer of Blastocyst in IVF in Asr Hospital.

Public title

Comparison of pregnancy outcomes in two embryo transfer in IVF

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria :women with age 20-40 years: Embryo transfer with IVF failure more than twice. Exclusion Criteria:Age more than 40 years : Untreated women with uterine disorders: male infertility.

Age

From **20 years** old to **40 years** old

Gender

Female

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: **100**

Randomization (investigator's opinion)

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**

School of Medicine, Tehran University of Medical Sciences

Street address

School of Medicine, Ghods Street, Keshavarz BLVD

City

Tehran

Postal code

14194

Approval date

2010-09-23, 1389/07/01

Ethics committee reference number

21572

Health conditions studied**1****Description of health condition studied**

Female infertility associated with anovulation

ICD-10 code

N97.0

ICD-10 code description

Female infertility associated with anovulation

Primary outcomes**1****Description**

clinical pregnancy

Timepoint

4 weeks after embryo transfer

Method of measurement

sonography

2**Description**

Twin pregnancy

Timepoint

4 weeks after embryo transfer

Method of measurement

Sonography

3**Description**

Abortion

Timepoint

after positive pregnancy test

Method of measurement

Sonography

4**Description**

chemical pregnancy

Timepoint

two weeks after pregnancy

Method of measurement

blood test

Secondary outcomes**1****Description**

NO of embryo transferred

Timepoint

in the transferring the embryo

Method of measurement

Embryolog specialist

2**Description**

No of fertilized oocyte

Timepoint

Second day of fertilization Until the embryo transfer

Method of measurement

Embryologists recognized under microscope

Intervention groups**1****Description**

21 cycles of agonists, GnRH 500 mcg subcutaneously
Will continue until the day of HCG injection. And the next cycle of 2-3 days Gonadotropin 150 IU is injected . Based on ovarian response, the drug dose is increased . And

the size of the follicle reaches 18-20 mm, HCG injections are administered at a dose of 10,000 units. 36 hours after the eggs have been taken AND IVF with using sperm with eggs are fertilized In the second or control group at the blastocyst stage (5 days) is passed.

Category

Treatment - Drugs

2**Description**

21 cycles of agonists, GnRH 500 mcg subcutaneously Will continue until the day of HCG injection. And the next cycle of 2-3 days Gonadotropin 150 IU is injected . Based on ovarian response, the drug dose is increased . And the size of the follicle reaches 18-20 mm, HCG injections are administered at a dose of 10,000 units. 36 hours after the eggs have been taken AND IVF with using sperm with eggs are fertilized . in the first group or the intervention early cleavage stage or 2-3 day old embryos are transferred and

Category

Treatment - Drugs

Recruitment centers**1****Recruitment center****Name of recruitment center**

Vali-asr infertility Clinic

Full name of responsible person

Dr,Batool Hossein Rashidi

Street address

vali-Asr Reproductive Health Research Center,Tehran Medical University

City

Tehran

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Vice Chancellor for Research of School Medicine ,Tehran University of Medical Sciences

Full name of responsible person

Dr,Shahin Akhoondzadeh

Street address

Building Tehran University of Medical Sciences,Ghods Street,Keshavarz BLVD.

City

Tehran

Grant name

پایان نامه شماره 21522

Grant code / Reference number**Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Vice Chancellor for Research of School Medicine ,Tehran

University of Medical Sciences

Proportion provided by this source

100

Public or private sector

empty

Domestic or foreign origin

empty

Category of foreign source of funding

empty

Country of origin**Type of organization providing the funding**

empty

Person responsible for general inquiries**Contact****Name of organization / entity**

Vali-e-Asr reproductive HealthnResearch center

Full name of responsible person

Shahrokh Tehraninejad Ensieh

Position

Assistant professor

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Immam Khomeini Hospital , vali-Asr Hospital

City

Tehran

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Web page address**Person responsible for scientific inquiries****Contact****Name of organization / entity**

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Rashidi Batool

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Assistant Professor

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Research expert

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Fax**Email****Web page address**

Sharing plan

Deidentified Individual Participant Data Set (IPD)

empty

Study Protocol

empty

Statistical Analysis Plan

empty

Informed Consent Form

empty

Clinical Study Report

empty

Analytic Code

empty

Data Dictionary

empty