

Clinical Trial Protocol

Iranian Registry of Clinical Trials

02 Jul 2026

Effects of stimulation of endometrium before embryo transfer on pregnancy rates in patients undergoing assisted reproduction

Protocol summary

Summary

This is a randomized clinical trial which has two groups: In control group there are 45 women. The control group will have blastocyst transfer at the 20th day of cycle. In the intervention group there are 45 women. This group will have 20µl of embryo culture medium (Blast Assist System2) injected into the uterine cavity at 17th day of cycle and then at the 20th day Blastocyst is transferred. This media is derived from media culture that the best embryos are cultured. At the 2nd day of culture the best embryos transferred to another media and are cultured till 5th day. The embryo culture medium injection is performed transcervically into the uterus using Cook IVF catheter. The catheter, loaded with 20 µl of embryo culture medium is inserted into uterine cavity and embryo is released. The tip of the catheter is about 1 cm from the fundus of the uterine cavity. Implantation rates and pregnancy rates will be evaluated.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138902232576N2**

Registration date: **2010-09-09, 1389/06/18**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2010-09-09, 1389/06/18

Registrant information

Name

Fatemeh Davari Tanha

Name of organization / entity

Tehran University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 8831 3955

Email address

fdavaritanha@sina.tums.ac.ir

Recruitment status

Recruitment complete

Funding source

Tehran university medical sciences,TEHRAN, IRAn

Expected recruitment start date

2009-09-01, 1388/06/10

Expected recruitment end date

2010-08-01, 1389/05/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effects of stimulation of endometrium before embryo transfer on pregnancy rates in patients undergoing assisted reproduction

Public title

Effects of stimulation of endometrium before embryo transfer on pregnancy rates in patients undergoing assisted reproduction

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: All women with infertility who refer to infertility clinic of Valiasr reproductive health research center, age 20-38, infertility<10y Exclusion criteria: Age>38, Hydrosalpinx, FSH>10, History of IVF failure

Age

From **20 years** old to **39 years** old

Gender

Female

Phase

3

Groups that have been masked*No information***Sample size**Target sample size: **90****Randomization (investigator's opinion)**

Randomized

Randomization description**Blinding (investigator's opinion)**

Single 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 Tehran university of medical sciences

Street address

Tehran university medical sciences, 6th floor, Central Building of Tehran University of Medical Sciences, Keshavarz Boulevard, Ghods Avenue

City

TEHRAN

Postal code**Approval date**

2009-11-12, 1388/08/21

Ethics committee reference number

9725

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

Infertility

ICD-10 code

N97

ICD-10 code description

Female infertility

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

Chemical pregnancy

Timepoint

After 14 days of embryo transfer

Method of measurement

B-hcG

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

Clinical pregnancy

Timepoint

13 weeks

Method of measurement

Trans vaginal sonography

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

Intervention: Media that blastocyst has developed on it inserted via transcervical in 17th day and then blastocyst transfer is in 20th day

Category

Treatment - Other

2**Description**

Control: blastocyst transfer is done at 20th day of cycle without media transfer on 17th day

Category

N/A

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

Valiasr reproductive health research center

Full name of responsible person

Fatemeh Davari Tanha

Street address

Women's hospital, Ostad Nejatollahi Shomally Avenue, Karim khan Zand bridge

City

Tehran

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

Tehran university of medical sciences

Full name of responsible person

Pegahe Aslanpour

Street address

Tehran university of medical sciences - research administrator

City

Tehran

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

Yes

Title of funding source
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
Tehran university of medical sciences

Full name of responsible person
Fatemeh Davari Tanha

Position
Assistant professor

Other areas of specialty/work

Street address
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inquiries

Contact

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Web page address

Person responsible for updating data

Contact

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