

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Effect of sonohystrography on increasing pregnancy rate in assisted reproductive technology cycle

Protocol summary

Summary

In our study 100 women , who are candidate for ART(assisted reproductive technology) randomly are divided into two groups.In case group SHG (hystrosonogram) is done in midluteal phase before stimulation cycle and in controls only TVS (transvaginal ultrasound) is done then from day 2 or 3 of mense controlled ovarian hyperstimulation with gonadotropin injection is started. Gonadotropin dosage is based on age and ovarian reserve (based on infertility ward protocol) and under TVS control follicular growth monitoring is done. In follicular size of 17-18 mm HCG (human chorionic gonadotropin) 10000 IU is injected and 35-36 h later ovum pick up is done. After 2 or 3 days embryo is transferred . Pregnancy test is requested 2 weeks later, and finally pregnancy rate in two groups is evaluated.

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Email address

dr_zheidar@sbmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Shahid Beheshti University of Medical Sciences

Expected recruitment start date

2014-06-22, 1393/04/01

Expected recruitment end date

2015-01-20, 1393/10/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014022416705N1**

Registration date: **2014-06-26, 1393/04/05**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2014-06-26, 1393/04/05

Registrant information

Name

zahra heidar

Name of organization / entity

sbmu

Country

Iran (Islamic Republic of)

Phone

Scientific title

Effect of sonohystrography on increasing pregnancy rate in assisted reproductive technology cycle

Public title

Effect of sonohystrography on pregnancy rate in assisted reproductive technology cycles

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Each women who is candidate for assisted reproductive technology (ART); and agree to participate in this study Exclusion criteria: disagreement with participation in this study; any somatic or psychologic disease

Age

From **20 years** old to **45 years** old

Gender

Female

Phase

N/A

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**

Shahid Beheshti University of Medical Sciences ethics committee

Street address

Shahid Beheshti University of Medical Sciences ,
Velenjak

City

Tehran

Postal code**Approval date**

2014-03-11, 1392/12/20

Ethics committee reference number

149

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

Infertility treatment in healthy women

ICD-10 code

Z30-Z39

ICD-10 code description

Persons encountering health services in circumstances related to reproduction

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

Pregnancy

Timepoint

2 weeks after embryo transfer

Method of measurement

Pregnancy test

Secondary outcomes

empty

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

In case group hysterosonogram with normal saline is done in midluteal phase before stimulation cycle. Then ovarian stimulation with gonadotropins is started from day 2-3 of cycle and with TVS (transvaginal ultrasound) follicular growth is monitored, in follicular size 17-18 mm HCG (human chorionic gonadotropin) 10000 IU inject and 35-36 h after that ovarian puncture is done. 2-3 day later embryo transfer is done and 14 days later pregnancy test is requested.

Category

Other

2**Description**

In controls in this time (mid luteal phase) transvaginal ultrasound is done and other steps are like case group.

Category

Other

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

Mahdieh Hospital

Full name of responsible person**Street address****City**

Tehran

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

Infertility and Reproductive Health research center, Shahid Beheshti University of Medical Sciences

Full name of responsible person

Dr. Seied Jalil Hoseiny

Street address

Taleghany hospital, Velenjak

City

Tehran

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

Yes

Title of funding source

Infertility and Reproductive Health research

center, Shahid Beheshti 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

Person responsible for scientific inquiries

Contact

Name of organization / entity

Shahid Beheshti University of Medical Sciences

Full name of responsible person

Dr. Zahra Heidar

Position

Assistant professor

Other areas of specialty/work

Street address

Mahdieh Hospital

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Phone

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Fax

Email

dr_zheidar@yahoo.com

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