

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

02 Jun 2026

### Effect of sonohysterography on ART success rate in infertile women

#### Protocol summary

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##### Summary

In our study 300 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.

##### Recruitment status

**Recruitment complete**

##### Funding source

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

##### Expected recruitment start date

2014-11-24, 1393/09/03

##### Expected recruitment end date

2016-01-20, 1394/10/30

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2014122316705N4**

Registration date: **2015-01-08, 1393/10/18**

Registration timing: **registered\_while\_recruiting**

Last update:

Update count: **0**

##### Registration date

2015-01-08, 1393/10/18

##### Registrant information

###### Name

zahra heidar

###### Name of organization / entity

sbmu

###### Country

Iran (Islamic Republic of)

###### Phone

+98 21 4461 2416

###### Email address

##### Scientific title

Effect of sonohysterography on ART success rate in infertile women

##### Public title

Effect of sonohysterography on ART success rate

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

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

##### Age

From **18 years** old to **45 years** old

##### Gender

Female

##### Phase

N/A

##### Groups that have been masked

*No information*

##### Sample size

Target sample size: **300**

**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**

Shahid Beheshti University of Medical Sciences ethics committee

**Street address**

Shahid Beheshti University of Medical Sciences ,  
velenjak

**City**

Tehran

**Postal code**

**Approval date**

2014-11-23, 1393/09/02

**Ethics committee reference number**

0400/6864

**Health conditions studied**

1

**Description of health condition studied**

Infertility in healthy Women

**ICD-10 code**

**ICD-10 code description**

**Primary outcomes**

1

**Description**

Pregnancy

**Timepoint**

2 week 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 17-19 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**

Treatment - Other

2

**Description**

Sonohystrography done in the intervention group in day 19 to 21 cycles

**Category**

Treatment - Other

3

**Description**

In the control group, in day 19-21 of cycle transvaginal sonography is done

**Category**

Other

**Recruitment centers**

1

**Recruitment center**

**Name of recruitment center**

Infertility Center, Mahdieh Hospital

**Full name of responsible person**

zahra heidar

**Street address**

Fadaeean Eslam street, Shoosh square

**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**

Taleghani 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**

zahra heidar

**Position**

assistant professor

**Other areas of specialty/work****Street address**

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**Person responsible for updating data****Contact****Name of organization / entity**

Shahid Beheshti University of Medical sciences

**Full name of responsible person**

zahra heidar

**Position**

Assistant professor

**Other areas of specialty/work****Street address****City****Postal code****Phone****Fax****Email**

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**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*