

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

24 Jun 2026

### The effect of intercourse around embryo transfer on pregnancy rate in Assisted Reproductive Technology (ART) cycles

#### Protocol summary

##### Summary

To determine whether intercourse during peritransfer period will improve pregnancy and implantation rates in patients undergoing In Vitro Fertilization (IVF) or Intra Cytoplasmic Sperm Injection (ICSI) . Materials & Methods: A Randomized Controlled Trial will be conducted to compare embryo transfer with intercourse 12h later ( n=195) and without intercourse up to 24h (n=195). Patients with history of at least 5 years infertility undergoing In Vitro Fertilization (IVF) or Intra Cytoplasmic Sperm Injection (ICSI) will be recruited. In this study implantation rate, chemical and clinical pregnancy rate will be compared in both groups.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT138706101132N2**

Registration date: **2008-12-25, 1387/10/05**

Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2008-12-25, 1387/10/05

##### Registrant information

##### Name

Abbas Aflatoonian

##### Name of organization / entity

Yazd Shahid Sadoughi University of Medical Sciences

##### Country

Iran (Islamic Republic of)

##### Phone

+98 35182470856

##### Email address

aflatoonian@yazdivf.org

##### Recruitment status

**Recruitment complete**

##### Funding source

The Research Deputy of Yazd University of Medical Sciences

##### Expected recruitment start date

2006-07-01, 1385/04/10

##### Expected recruitment end date

2006-12-01, 1385/09/10

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

The effect of intercourse around embryo transfer on pregnancy rate in Assisted Reproductive Technology (ART) cycles

##### Public title

The effect of intercourse around embryo transfer on pregnancy rate in Assisted Reproductive Technology (ART) cycles

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

Inclusion criteria: patients with history of at least 5 years infertility undergoing In Vitro Fertilization (IVF) or Intra Cytoplasmic Sperm Injection (ICSI)

##### Age

From **21 years** old to **37 years** old

##### Gender

Female

##### Phase

N/A

##### Groups that have been masked

*No information*

##### Sample size

Target sample size: **390**  
**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

### 1

**Registry name**  
**Secondary trial Id**  
**Registration date**  
2017-11-21, 1396/08/30

## Ethics committees

### 1

**Ethics committee**  
**Name of ethics committee**  
The Ethics committee of Research and Clinical center for Infertility, Yazd University of Medical sci  
**Street address**  
Bouali Ave, Safaeyeh  
**City**  
Yazd  
**Postal code**  
8916877391  
**Approval date**  
empty  
**Ethics committee reference number**  
1582

## Health conditions studied

### 1

**Description of health condition studied**  
The factors which improved pregnancy rate in Assisted Reproductive Technology (ART) cycles  
**ICD-10 code**  
**ICD-10 code description**

## Primary outcomes

### 1

**Description**  
Clinical Pregnancy  
**Timepoint**  
2 weeks  
**Method of measurement**  
Embryonic cardiac activity observed by ultrasound

### 2

**Description**  
Implantation rate  
**Timepoint**  
2 weeks  
**Method of measurement**  
Number of gestational sacs per embryo transferred

### 3

**Description**  
Chemical pregnancy  
**Timepoint**  
2 weeks  
**Method of measurement**  
Serum beta HCG

## Secondary outcomes

empty

## Intervention groups

### 1

**Description**  
In study group the patients recommended to have intercourse 12h after embryo transfer  
**Category**  
*empty*

### 2

**Description**  
In control group the patients recommended to abstain from intercourse up to 24 hours after embryo transfer  
**Category**  
*empty*

## Recruitment centers

### 1

**Recruitment center**  
**Name of recruitment center**  
Research and Clinical center for Infertility, Yazd Shahid Sadoughi university of Medical Sciences  
**Full name of responsible person**  
Abbas Aflatoonian  
**Street address**  
Bouali Ave, Safaeyeh  
**City**  
Yazd

## Sponsors / Funding sources

### 1

**Sponsor**  
**Name of organization / entity**  
Research and Clinical center for Infertility, Yazd

Shahid Sadoughi university of Medical Sciences

**Full name of responsible person**

Abbas Aflatoonian

**Street address**

Bouali Ave, Safaeyeh

**City**

Yazd

**Grant name**

**Grant code / Reference number**

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

Yes

**Title of funding source**

Research and Clinical center for Infertility, Yazd Shahid Sadoughi 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**

Research and Clinical center for Infertility

**Full name of responsible person**

Abbas Aflatoonian

**Position**

Head/Professor

**Other areas of specialty/work**

**Street address**

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## Person responsible for scientific inquiries

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## Person responsible for updating data

**Contact**

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**Full name of responsible person**

Nasim Tabibnejad

**Position**

Research Consultant/ physician

**Other areas of specialty/work**

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## 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*