

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 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 updating data

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Full name of responsible person

Nasim Tabibnejad

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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