

Clinical Trial Protocol

Iranian Registry of Clinical Trials

26 Jul 2026

Effect of administration of Indomethacin , Hyoscine suppository , piroxycam capsule versus routine method before Embryo Transfer on pregnancy rates in ICSI cycles in Vali-e-Asr hospital

Protocol summary

Summary

Although there has been great improvement in assisted reproductive techniques and in spite of transferring good quality embryos, the pregnancy rate has not changed significantly due to low implantation rates. This study was performed in order to compare the effect of administration of Indomethacin , Hyoscine suppository or Piroxycam capsule before embryo transfer on pregnancy rate in ART cycles. From Jun 2008-Jan 2011, this study was done at Vali-e-Asr Hospital on 100 infertile women in ART cycles. After written consent was obtained before embryo transfer, the subjects were randomly allocated into 4 groups with 25 patients in each to receive Indomethacin rectal suppository, Hyoscine rectal suppository or Piroxycam capsule and no intervention group . Primary outcome was clinical pregnancy rate and secondary outcome was feeling of lower abdominal cramp after embryo transfer.

General information

Acronym

Effect of administration of Indomethacin , Hyoscine suppository and piroxyc

IRCT registration information

IRCT registration number: **IRCT138807252565N3**
Registration date: **2012-08-16, 1391/05/26**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2012-08-16, 1391/05/26

Registrant information

Name

Farnaz Sohrabvand

Name of organization / entity

Vali-E _Asr Reproductive Health Research Center

Country

Iran (Islamic Republic of)

Phone

+98 21 6693 9320

Email address

sohrabva@sina.tums.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice Chancellor for Research, Tehran University of Medical Sciences

Expected recruitment start date

2008-06-30, 1387/04/10

Expected recruitment end date

2011-01-01, 1389/10/11

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of administration of Indomethacin , Hyoscine suppository , piroxycam capsule versus routine method before Embryo Transfer on pregnancy rates in ICSI cycles in Vali-e-Asr hospital

Public title

Assessment of Indomethacin , Hyoscine and Piroxycam administration effect before embryo transfer versus routine method on ART outcome.

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: age 20-35 years, normal response to

induction of ovulation Exclusion criteria: history of medical illnesses, endometriosis.

Age

From **20 years** old to **35 years** old

Gender

Female

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: **100**

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

Vice Chancellor for Research, Tehran University of Medical Sciences

Street address

Vice Chancellor for Research, Tehran University of Medical Sciences, Ghods Street

City

Tehran

Postal code

14194

Approval date

2007-03-23, 1386/01/03

Ethics committee reference number

1878

Health conditions studied

1

Description of health condition studied

Noninflammatory disorders of female genital tract

ICD-10 code

N98.3

ICD-10 code description

Complications of attempted introduction of embryo in embryo transfer

Primary outcomes

1

Description

clinical pregnancy rate

Timepoint

4 weeks after ET

Method of measurement

Sonography and blood Test (B-HcG)

Secondary outcomes

1

Description

lower abdominal cramp

Timepoint

After ET

Method of measurement

according to patient complaints

Intervention groups

1

Description

Intervention group A:rectal indomethacin 10 mg suppository 30 minutes beforor embryo transfer

Category

Treatment - Drugs

2

Description

Control group: no intervention before embryo transfer (routine procidure)

Category

Treatment - Drugs

3

Description

Intervention group B:rectal Hyoscine 100 mg suppository 30 minutes before embryo transfer

Category

Treatment - Drugs

4

Description

Intervention group C:oral I Piroxicam capsule 10 mg 30 minutes before embryo transfer

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Vali_e-Asr reproductive health research
center,infertility Ward

Full name of responsible person

Dr.Farnaz Sohrabvand

Street address

Imam khomeini Hospital, Vali-E-Asr Reproductive
health Resaerch Center

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Resaerch Deputy of Tehran Medical Sciences

Full name of responsible person

Dr.Rezaie

Street address

Ghods Street ,Tehran medical university

City

Tehran

Grant name

Grant code / Reference number

1878

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

Yes

Title of funding source

Resaerch Deputy of Tehran 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

Vali-e-asr reproductive health research center

Full name of responsible person

Fedyeh Haghollahi

Position

Research Expert

Other areas of specialty/work

Street address

Imam Khomeini Hospital ,Vali-E-Asr Hospital

City

Tehran

Postal code

14194

Phone

+98 21 6693 9320

Fax

+98 21 6658 1658

Email

fedyeh_hagh@yahoo.com

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Vali-e-asr Reproductive Health Research Center

Full name of responsible person

Dr.Farnaz Sohrabvand

Position

Associate professor OB,GYN&INF.Laparascopy

Other areas of specialty/work

Street address

Imam Khomeini hospital, Vali-E-Asr Hospital

City

Tehran

Postal code

14194

Phone

+98 21 6693 9320

Fax

+98 21 6658 1658

Email

fsohrabvand@yahoo.com

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Vali-E-Asr Reproductive Health reasearch Center

Full name of responsible person

Fedyeh Haghollahi

Position

Expert Research

Other areas of specialty/work

Street address

Imam Khomeini Hospital,Vali-E-Asr Reproductive
Health research center

City

Tehran

Postal code

14194

Phone

+98 21 6693 9320

Fax

+98 21 6658 1658

Email

fedyeh_hagh@yahoo.com

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