

Clinical Trial Protocol

Iranian Registry of Clinical Trials

28 Jul 2026

Comparison the efficacy of using intravaginal progesterone in pregnancy rate in Intrauterine Insemination

Protocol summary

Summary

The aim of this study is to investigate the efficacy of Luteal phase support with intravaginal progesterone in women undergoing controlled ovarian stimulation combined with Intrauterine insemination. In this single blinded clinical trial, 196 consecutively seen women candidate for IUI and divided to case and control groups. Case and control group consisted of 99 and 97 patients, respectively matched for age and implicating factor of infertility. The case group received intravaginal progesterone (400mg daily for 10 days starting from the day after IUI, while control group received no additional medication. blood samples were collected and serum progesterone level in 7th and 11th day after IUI, chemical and clinical pregnancy and luteal phase duration were compared in two groups.

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Email address

yasamin_m@yahoo.com

Recruitment status

Recruitment complete

Funding source

Kerman University of Medical Sciences

Expected recruitment start date

2009-11-22, 1388/09/01

Expected recruitment end date

2011-06-22, 1390/04/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201202078948N1**

Registration date: **2012-08-17, 1391/05/27**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2012-08-17, 1391/05/27

Registrant information

Name

Sakineh Ebrahimipour

Name of organization / entity

Kerman University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

Scientific title

Comparison the efficacy of using intravaginal progesterone in pregnancy rate in Intrauterine Insemination

Public title

The effect of progesterone in Intrauterine insemination

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Infertile Couples; Infertility with male factor; Cervical factor; Other unexplained cases

Exclusion criteria: Women over 40 years old; Patients with more than two times Intrauterine insemination failure; Woman with baseline FSH more than 12 IU/Lit

Age

From **15 years** old to **45 years** old

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **196**

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**

Kerman University of Medical Sciences

Street address

Afzalipour campus, Imam Highway, Kerman

City

Kerman

Postal code**Approval date**

2010-09-23, 1389/07/01

Ethics committee reference number

k/88/108

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

Infertility

ICD-10 code

Z35.0

ICD-10 code description

Supervision of high-risk pregnancy

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

Pregnancy Rate

Timepoint

21th to 30th days after Intra Uterine Insemination

Method of measurement

sonography

2**Description**

Pregnancy Rate

Timepoint

14th or 17th days after Intra Uterine Insemination

Method of measurement

Blood Beta HCG

Secondary outcomes**1****Description**

luteal phase period

Timepoint

2 weeks after IUI

Method of measurement

questioner

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

Case Group: Progesterone, Vaginal 400 mg daily, For 10 days starting from the day after Intrauterine insemination

Category

Treatment - Drugs

2**Description**

Control Group: Drug or placebo did not use.

Category

N/A

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

Kerman IVF Center

Full name of responsible person

Dr. Sakineh Ebrahimipour

Street address

Afzalipour Hospital, Imam highway, Kerman

City

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

Kerman University of Medical Sciences

Full name of responsible person

Shahnaz Aali

Street address

Shafa Ave., Kerman

City

Kerman

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Kerman 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

Kerman University of Medical Sciences

Full name of responsible person

Dr. Shahnaz Aali

Position

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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