

Clinical Trial Protocol

Iranian Registry of Clinical Trials

21 Jul 2026

Comparison of the efficiency of two short- term agonist protocols with conventional long protocol in women candidate Microinjection

Protocol summary

Summary

The main aim of this study is comparing the efficiency of two types of short Triptorlin treatment protocols with conventional long antagonist protocols in micro-injection infertile candid patients. This study is a triple blind(doctor, patient and infertility counselor), choosing 150 patients including (healthy women between “18 – 40”) and excluding from study (PCOs women) randomly dividing to 3 groups 50 each. Control group (conventional long protocol): for down regulation, Triptorlin begins from 21st day of menstrual cycle with 0.1 dosage and continues till HCG injection day. Gonadotropin usage begins from 2-3 days menstrual cycle and continues till observing an 18 mm >follicle and HCG injection. Intervening group 1: Triptorlin begins from 21st day of menstrual cycle with 0.1 dosages and will end from 4th day of Genadotropin injection. Intervening group 2: Triptorlin begins from 21st day of menstrual cycle and will end at the first day of Gonadotropin injection. At last ongoing pregnancy rate, number of embryos, number of good quality embryos, quantity of in-vitro fertilization, ET, the abortion rate, will be comparatively examine at three groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201310311760N26**

Registration date: **2014-08-02, 1393/05/11**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2014-08-02, 1393/05/11

Registrant information

Name

Nargess Gholizadeh Pasha

Name of organization / entity

Fatemehzahra Infertility Reproductive Health
Research Center, Babol University of Medical
Sciences

Country

Iran (Islamic Republic of)

Phone

+98 11 3236 2282

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zahra@mubabol.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Babol University of Medical
Sciences

Expected recruitment start date

2014-05-15, 1393/02/25

Expected recruitment end date

2014-11-22, 1393/09/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the efficiency of two short- term agonist
protocols with conventional long protocol in women
candidate Microinjection

Public title

Comparison of the efficiency of two short- term agonist
protocols with conventional long protocol in women
candidate Microinjection

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusio criteria: Healthy women 18 to 40 years; BMI = 20-32; Regular menstrual Exclusion criteria: Women PCOs; thyroid disorders, severe endometriosis, those with ovarian or uterine and ovarian pathology; FSH> 15 IU / LI on day 3 of the cycle; POOR RESPONSE; history of hyper stimulation in previous cycles; smokers; Abnormalities of the uterus, ovary-stimulating drugs or diet 2 months ago or the diet

Age

From **18 years** old to **40 years** old

Gender

Female

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: **150**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Triple blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

The ethics committee of Babol University of Medical sciences

Street address

Ganjafrooz Avenue, Babol University of Medical sciences

City

Babol

Postal code

Approval date

2014-04-23, 1393/02/03

Ethics committee reference number

4018/30/پ

Health conditions studied

1

Description of health condition studied

Female infertility associated with male factors

ICD-10 code

N97.4

ICD-10 code description

Female infertility associated with male factors

Primary outcomes

1

Description

Pregnancy

Timepoint

4 weeks after embryo transfer

Method of measurement

Laboratory

Secondary outcomes

1

Description

The number of embryos

Timepoint

14 the next day embryo transfer

Method of measurement

Ultrasound

2

Description

The number of high quality embryos

Timepoint

14 the next day embryo transfer

Method of measurement

Ultrasound

3

Description

Total fertility/ET

Timepoint

14 the next day embryo transfer

Method of measurement

Ultrasound

4

Description

The number of abortions performed

Timepoint

After 10 weeks of gestational sac formation

Method of measurement

clinical

5

Description

Consists of dominant follicles

Timepoint

12 -16 day cycle

Method of measurement

Ultrasound

6

Description

Of the ampoules used per protocol

Timepoint

Duration of treatment

Method of measurement

clinical

Intervention groups

1

Description

Control Groups: Standard protocol, for Down regulation, Triptorelin dose of 0.1 (to SC) from day 21 of the cycle begins. Continues until the day of HCG injection. Gonadotropins for stimulate ovulation cycle is 2-3 days and begin to see at least one follicle > 18mm and HCG injection continues.

Category

Treatment - Drugs

2

Description

Intervention Group1: Triptorelin dose of 0.1 (to SC) from day 21 of the cycle begins. Four day, gonadotropin injection stops.

Category

Treatment - Drugs

3

Description

Intervention Group2: Triptorelin dose of 0.1 (to SC) from day 21 of the cycle begins. First day, gonadotropin injection stops.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Fatemehzahra Fertility & infertility hospital

Full name of responsible person

Dr. Poopae A Rezaeian

Street address

Fatemeh-zahra Infertility and Reproductive Health Research Center, Old Road, Amol, Babol, After Mohammad Hassan Khan Bridge

City

Babol

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Babol University of Medical Sciences

Full name of responsible person

Dr. Ali Bijani

Street address

Ganjafroz Avenue, Babol University of Medical sciences

City

Babol

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Vice chancellor for research, Babol 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

Fatemehzahra Infertility & reproductive Health Reseach Center

Full name of responsible person

Dr. Poopae A Rezaeian

Position

Resident of Obstetrics and Gynecology

Other areas of specialty/work

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Fatemehzahra Infertility & reproductive Health Reseach Center

Full name of responsible person

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Position

Gynecologist

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

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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

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

Nargess Gholizadeh Pasha

Position

MAc