

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

01 Jun 2026

### Q10 co-enzyme effect on fetus implantation in ART cycles in infertile persons

#### Protocol summary

##### Summary

Objective: to determine the effect of adding Co-Q10 on the implantation and pregnancy in ART cycles Study design: This randomized study medication Co- Q10, phase two trials, single-center, will be carried out. Population of the study: This study infertility patients undergoing IVF or ICSI, will be carried out until a sufficient number of cases to 64 cases will continue. Main inclusion criteria: women with ages between 20 and 42 years who have a large number of fresh embryos are transferred. Main exclusion criteria: factors related to patients, such as women over 42 years, patients with underlying conditions such as gastrointestinal disorders, gynecological diseases such as endometriosis. Intervention: The case group will be prescribed medication Co-Q10. Intervention time: one year Main outcome measures variables: 64 women about to undergo ICSI be the starting gonadotropin enzyme Co-Q10 is also in the vicinity of a daily routine treatment protocols will be given to them after the ultrasound monitoring of follicular development and testing serum hormone was confirmed by IVF or ICSI to puncture the ovaries and the eggs are recovered and the number of eggs, number of embryos and the embryos and the fertilization qualities and Implantation will be recorded and pregnancy by measuring serum BHCG be determined.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2015102724746N1**  
Registration date: **2015-12-13, 1394/09/22**  
Registration timing: **registered\_while\_recruiting**

Last update:

Update count: **0**

##### Registration date

2015-12-13, 1394/09/22

##### Registrant information

###### Name

Samira Abdollahi Moghaddam Foumani

###### Name of organization / entity

Tabriz University Of Medical Sciences

###### Country

Iran (Islamic Republic of)

###### Phone

+98 41 3330 8229

###### Email address

abdollahis@tbzmed.ac.ir

##### Recruitment status

###### Recruitment complete

##### Funding source

Women's Reproductive Health Research Center, Vice chancellor for research, Tabriz University of Medic

##### Expected recruitment start date

2015-03-21, 1394/01/01

##### Expected recruitment end date

2016-03-19, 1394/12/29

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Q10 co-enzyme effect on fetus implantation in ART cycles in infertile persons

##### Public title

Q10 co-enzyme effect on fetus implantation

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

Inclusion criteria; women with ages between 20 and 42

years who have a high number of embryos transferred are fresh.(The maximum number of embryos transferred in the order of 2 to 3 cycles of ovulation induction (Fresh Embryo)). Exclusion criteria; associated with individual factors such as women over 42 years; the number of embryos down; diseases such as patients with gastrointestinal disorders; patients with liver disorders; gynecological factors like endometriosis; genital anomalies such as disorders of the fallopian tube; uterine anatomic abnormalities.

#### Age

From **20 years** old to **42 years** old

#### Gender

Female

#### Phase

2

#### Groups that have been masked

*No information*

#### Sample size

Target sample size: **128**

#### Randomization (investigator's opinion)

Randomized

#### Randomization description

#### Blinding (investigator's opinion)

Not blinded

#### Blinding description

#### Placebo

Not used

#### Assignment

Parallel

#### Other design features

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

##### Name of ethics committee

Ethics Committee of Tabriz University of Medical Sciences

##### Street address

International Relations Office, No 2 Central Building, Golgasht avenue, Tabriz University of Medical Sciences

##### City

Tabriz

##### Postal code

5165665931

#### Approval date

2015-10-10, 1394/07/18

#### Ethics committee reference number

tbzmed.rec.1394.583

## Health conditions studied

### 1

#### Description of health condition studied

Infertility

#### ICD-10 code

N97

#### ICD-10 code description

Female infertility

## Primary outcomes

### 1

#### Description

Embryo Quality

#### Timepoint

monthly after drug Prescription

#### Method of measurement

evaluation of pregnancy with B-HCG test at the end of drug use

### 2

#### Description

Embryo

#### Timepoint

monthly after drug Prescription

#### Method of measurement

evaluation of pregnancy with B-HCG test at the end of drug use

### 3

#### Description

Ovule

#### Timepoint

monthly after drug Prescription

#### Method of measurement

evaluation of pregnancy with B-HCG test at the end of drug use

## Secondary outcomes

### 1

#### Description

pregnancy ratio

#### Timepoint

monthly

#### Method of measurement

pregnancy lab test (B-HCG)

## Intervention groups

### 1

#### Description

In this study, intervention group will be prescribed the drug Q10 to implantation of the embryo after administration of the study.

#### Category

Treatment - Drugs

## 2

### Description

The control group will be given medicines to evaluate the implantation of the embryo in the intervention group.

### Category

Treatment - Drugs

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Infertility ward, Alzahra Hospital

##### Full name of responsible person

Dr Samira Abdollahi

##### Street address

Baghshomal Square

##### City

Tabriz

## Sponsors / Funding sources

### 1

#### Sponsor

##### Name of organization / entity

Women's Reproductive Health Research Center, Vice chancellor for research, Tabriz University of Medic

##### Full name of responsible person

Mrs Lahroudi

##### Street address

Alzahra Hospital, Baghshomal Square

##### City

Tabriz

#### Grant name

#### Grant code / Reference number

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

Yes

#### Title of funding source

Women's Reproductive Health Research Center, Vice chancellor for research, Tabriz University of Medic

#### 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

Tabriz University Of Medical Sciences

#### Full name of responsible person

Dr Samira Abdollahi

#### Position

Resident of Gynecology

#### Other areas of specialty/work

#### Street address

Alzahra Hospital, Baghshomal Square

#### City

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## Person responsible for scientific inquiries

### Contact

#### Name of organization / entity

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Dr Samira Abdollahi

#### Position

Resident of Gynecology

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## Person responsible for updating data

### Contact

#### Name of organization / entity

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**Web page address**

*empty*

## **Sharing plan**

**Informed Consent Form**

*empty*

**Deidentified Individual Participant Data Set (IPD)**

**Clinical Study Report**

*empty*

*empty*

**Study Protocol**

**Analytic Code**

*empty*

*empty*

**Statistical Analysis Plan**

**Data Dictionary**

*empty*