

Clinical Trial Protocol

Iranian Registry of Clinical Trials

07 Jul 2026

Evaluation of the effect of single G-CSF injection on pregnancy outcome in patients with IVF failure

Protocol summary

Summary

The goal of this study is to evaluate the effect of a single dose of colony stimulating factor ,granulocyte macrophage successful pregnancy in patients with pregnancy failure that is studied in this group of patients for the first time. In this study ,a group of 50 after getting testimonial was injected 300 mcg G- CSF(one dose)once on a day of embryo transfer. After 14 days pregnancy outcome will be recorded and pregnancy ,abortion rates and live birth rate will be compared with a control group of 50 patients with the (help of infertility treatment)(IVF). All patients will be treated on antagonists protocol, and pregnancy outcome will be checked afterward. the result of that will be investigated in the form of clinical pregnancy rates, abortion rates and live birth.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014072118381N1**

Registration date: **2015-01-03, 1393/10/13**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2015-01-03, 1393/10/13

Registrant information

Name

Ahmad Hosseini

Name of organization / entity

Shahid Beheshty University of Medical Science

Country

Iran (Islamic Republic of)

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+98 21 2235 9153

Email address

ahmad-hosseini@sbmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Shahid Beheshty University of Medical Science

Expected recruitment start date

2014-04-19, 1393/01/30

Expected recruitment end date

2015-07-21, 1394/04/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of the effect of single G-CSF injection on pregnancy outcome in patients with IVF failure

Public title

The effect of Granulocyte Colony-Stimulating Factor (G-CSF) on IVF failiure

Purpose

Treatment

Inclusion/Exclusion criteria

inclusion criteria: the patient with ivf failiure
exclusion criteria: male factor patients

Age

No age limit

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **100**

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

Shahid Beheshty University of Medical Science

Street address

velenjak, koodakyar ave, shahid beheshty medical university

City

tehran

Postal code

Approval date

2014-06-15, 1393/03/25

Ethics committee reference number

با توجه به اینکه در کمیته اخلاق دانشگاه تایید شده 153

Health conditions studied

1

Description of health condition studied

ivf failiure

ICD-10 code

N97

ICD-10 code description

female infertility

Primary outcomes

1

Description

ivf outcome

Timepoint

2 weeks after start of drug

Method of measurement

blood test

Secondary outcomes

empty

Intervention groups

1

Description

study group: injection of 300 mg G-CSF after embryo transfer

Category

Treatment - Drugs

2

Description

control group: not injection of G- CSF after embryo transfer

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Givar

Full name of responsible person

Street address

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Shahid Beheshty University of Medical Science

Full name of responsible person

Dr. Zarghi

Street address

Cellular & Mollecular Biology Research Center, Shahid Beheshty Medical University, Koodakyar Ave, Daneshjoo Blv, Velenjak

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Grant name

Grant code / Reference number

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

Yes

Title of funding source

Shahid Beheshty University of Medical Science

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

Shahid Beheshti Medical University

Full name of responsible person

Fattaneh Farifteh

Position

phd

Other areas of specialty/work

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Genetics & In Vitro Assisted Reproduction (GIVAR) Center, Erfan Hospital

Full name of responsible person

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Infertility Specialist

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