

Clinical Trial Protocol

Iranian Registry of Clinical Trials

15 Jun 2026

Comparison of Albumin and Cabergoline in the Prevention of Ovarian Hyperstimulation Syndrome

Protocol summary

Summary

Background: Ovarian hyperstimulation syndrome (OHSS) is the most serious and potentially life-threatening iatrogenic complication associated with ovarian stimulation during Assisted Reproductive Technology (ART) protocols. OHSS typically is a result of ovarian expression of vascular endothelial growth factor (VEGF) which increases vascular permeability . Objective: comparison of albumin and cabergoline in the prevention of ovarian hyperstimulation syndrome. Materials and Methods: 95 high risk infertile women for OHSS (more than 20 follicles in both ovaries at day of HCG injection) were randomly divided into two groups. First group including 48 women received 10 unit intravenous albumin at starting oocyte retrieval, and second group including 47 women received 0.5 mg/day dopamine agonist (cabergolin) at day of HCG injection till 8 days. The dosage of hMG used, total number of follicles developed, number of oocytes retrieved, serum E2 concentrations during the luteal phase, development of ascites, number of embryos generated clinical pregnancy rate, results of the IVF-ET cycles and incidence and severity of any OHSS were evaluated.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138706281217N4**
Registration date: **2013-07-21, 1392/04/30**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2013-07-21, 1392/04/30

Registrant information

Name

Fatemeh Vahidroodsari

Name of organization / entity

Mashhad University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 51 1841 7493

Email address

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Recruitment status

Recruitment complete

Funding source

Mashhad University of Medical Sciences

Expected recruitment start date

2009-04-21, 1388/02/01

Expected recruitment end date

2010-04-21, 1389/02/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of Albumin and Cabergoline in the Prevention of Ovarian Hyperstimulation Syndrome

Public title

Comparison of Albumin and Cabergoline in the Prevention of Ovarian Hyperstimulation Syndrome

Purpose

Prevention

Inclusion/Exclusion criteria

The inclusion criterion was the presence of >20 oocytes during oocyte retrieval, ovary size>10 cm, serum Estradiol >2500 pg/ml on the day of HCG administration.

Age

No age limit

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 95

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**

Mashhad University of Medical Sciences Ethics Committee

Street address

Mashhad University of Medical Sciences, Azadi square

City

Mashhad

Postal code**Approval date**

2009-01-03, 1387/10/14

Ethics committee reference number

88182

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

ovariab hyperstimulation

ICD-10 code

N99-N99

ICD-10 code description

بیماری های مربوط به دستگاه ادراری-تناسلی

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

prevention of OHSS

Timepoint

from strat to 2 months later

Method of measurement

questionare

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

severity of OHSS

Timepoint

from start to 15 days later

Method of measurement

questionare

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

using of cabergulin and albumin

Category

Treatment - Drugs

2**Description**

administration of cabergulin and alumin

Category

Treatment - Drugs

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

Montaserieh infertility center

Full name of responsible person**Street address****City**

Mashhad

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

Medical Faculty, Mashhad University of Medical Sciences

Full name of responsible person

Mahin Nghinia

Street address

Mashhad University of Medical Sciences, Azadi square

City

Mashhad

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Medical Faculty, Mashhad 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**

Montaserieh Ifertility center, Mashhad University of
Medical Sciences

Full name of responsible person

Fatemeh Vahidroodsari

Position

Associated professor

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

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Web page address**Person responsible for scientific inquiries****Contact****Name of organization / entity**

Ghaem hospital, Mashhad University of Medical
Sciences

Full name of responsible person

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Position

Associated professor

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Ghaem hospital

Full name of responsible person

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Position

Researcher

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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