

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

10 Jun 2026

### Evaluation of Duck egg yolk on oligosperm solution in infertile men

#### Protocol summary

##### Study aim

Evaluation of the effect of duck egg yolk on sperm production

##### Design

The study included 30 men, each of whom was given a duck egg yolk within 70 days and their sperm volume and motility were assessed after and before the intervention.

##### Settings and conduct

The study will be performed daily for 70 days in the IVF ward of Imam Khomeini Hospital in Ahvaz.

##### Participants/Inclusion and exclusion criteria

Men with oligospermia and completely infertile, lack of children

##### Intervention groups

Affected men are given a boiled duck yolk daily for 70 days and will undergo a spermogram before and after the intervention.

##### Main outcome variables

In this study, sperm quality in men under study will be evaluated before and after the intervention. Any changes in this parameter will be recorded and reported.

#### General information

##### Reason for update

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT20201021049101N1**

Registration date: **2020-11-18, 1399/08/28**

Registration timing: **prospective**

Last update: **2020-11-18, 1399/08/28**

Update count: **0**

##### Registration date

2020-11-18, 1399/08/28

##### Registrant information

##### Name

Mehri Ghafourian

##### Name of organization / entity

##### Country

Iran (Islamic Republic of)

##### Phone

+98 61 3373 8225

##### Email address

ghafourian-m@ajums.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

##### Expected recruitment start date

2020-12-21, 1399/10/01

##### Expected recruitment end date

2021-03-10, 1399/12/20

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Evaluation of Duck egg yolk on oligosperm solution in infertile men

##### Public title

Evaluation of Duck egg yolk on oligosperm solution in infertile men

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

##### Inclusion criteria:

Men with oligospermia by spermogram

##### Exclusion criteria:

Having a live child before this

##### Age

No age limit

##### Gender

Male

##### Phase

N/A

## Groups that have been masked

No information

## Sample size

Target sample size: 30

## Randomization (investigator's opinion)

N/A

## Randomization description

### Blinding (investigator's opinion)

Not blinded

### Blinding description

#### Placebo

Not used

#### Assignment

Single

## Other design features

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

##### Name of ethics committee

Ethics Committee in University Research, Ahvaz  
Jundishapur University of Medical Sciences, Fertility

##### Street address

Ahvaz, Azadegan Street

##### City

ahvaz

##### Province

Khuzestan

##### Postal code

6398176335

#### Approval date

2020-03-15, 1398/12/25

#### Ethics committee reference number

IR.AJUMS.REC.1398.984

## Health conditions studied

### 1

#### Description of health condition studied

Oligospermia

#### ICD-10 code

N46.1

#### ICD-10 code description

Oligospermia

## Primary outcomes

### 1

#### Description

Oligospermia status change

#### Timepoint

Before and after the intervention

#### Method of measurement

Spermogram device

## Secondary outcomes

empty

## Intervention groups

### 1

#### Description

In this study, we investigated the therapeutic effect of duck yolk on the problem of oligospermia in infertile men. Thirty men take part in the study, which is given one boiled egg yolk daily for 70 days. And before and after the study, their sperm status is analyzed using the spermogram method.

#### Category

Treatment - Drugs

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Ahvaz Imam Khomeini Hospital

##### Full name of responsible person

Mehri Ghafourian Boroujerd Nia

##### Street address

Ahvaz, Golestan Blvd., Jundishapur University of  
Medical Sciences

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##### Email

ghafourian-m@ajums.ac.ir

## Sponsors / Funding sources

### 1

#### Sponsor

##### Name of organization / entity

Ahvaz University of Medical Sciences

##### Full name of responsible person

Mehdi Bijanzadeh

##### Street address

Ahvaz, Golestan Blvd., Jundishapur University of  
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bijanazadeh-m@ajums.ac.ir

**Grant name**

**Grant code / Reference number**

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

Yes

**Title of funding source**

Ahvaz University of Medical Sciences

**Proportion provided by this source**

100

**Public or private sector**

Public

**Domestic or foreign origin**

Domestic

**Category of foreign source of funding**

empty

**Country of origin**

**Type of organization providing the funding**

Academic

## Person responsible for general inquiries

**Contact**

**Name of organization / entity**

Ahvaz University of Medical Sciences

**Full name of responsible person**

Mehri Ghafourian Boroujerdnia

**Position**

professor

**Latest degree**

Ph.D.

**Other areas of specialty/work**

Immunology

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## Person responsible for scientific inquiries

**Contact**

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## Person responsible for updating data

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## Sharing plan

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

Undecided - It is not yet known if there will be a plan to make this available

**Study Protocol**

Undecided - It is not yet known if there will be a plan to make this available

**Statistical Analysis Plan**

Undecided - It is not yet known if there will be a plan to make this available

**Informed Consent Form**

No - There is not a plan to make this available

**Clinical Study Report**

Undecided - It is not yet known if there will be a plan to make this available

**Analytic Code**

No - There is not a plan to make this available

**Data Dictionary**

Undecided - It is not yet known if there will be a plan to make this available