

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

City

ahvaz

Province

Khuzestan

Postal code

6135715794

Phone

+98 61 3554 2327

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
Medical Sciences

City

Ahvaz

Province

Khuzestan

Postal code

6135715794

Phone

+98 61 4333 3061

Email

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

Street address

Ahvaz, Golestan Blvd., Jundishapur University of Medical Sciences

City

ahvaz

Province

Khuzestan

Postal code

6135715794

Phone

+98 61 4333 3061

Email

ghafourian-m@ajums.ac.ir

Person responsible for scientific inquiries

Contact

Name of organization / entity

Ahvaz University of Medical Sciences

Full name of responsible person

Mehri Ghafourian Boroujerdnia

Position

professor

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Other areas of specialty/work

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Street address

Golestan Blvd., Jundishapur University of Medical Sciences

City

ahvaz

Province

Khuzestan

Postal code

6135715794

Phone

+98 61 4333 3061

Email

ghafourian-m@ajums.ac.ir

Person responsible for updating data

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

Street address

اهواز, بلوار گلستان , دانشگاه علوم پزشکی جندی شاپور اهواز

City

ahvaz

Province

Khuzestan

Postal code

6135715794

Phone

+98 61 4333 3061

Email

ghafourian-m@ajums.ac.ir

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