

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

01 Jun 2026

### Study the effect of mixed herbals drug (citrus,citrolus vol,lan,carrot seed,zingber,onion,basil,cinamon) administration on male infertility: oligospermia

#### Protocol summary

##### Summary

In the last few years, a marked decrease in the quality of semen has been reported. Infertility is one of the major health problems in 10 to 15% of couples' lives; from which approximately 50% of couple's infertility is due to Male factors. The aim of the present study was to evaluate an herbal mixed effects on spermatogenesis and the normal production of sperm .Researchers have reported that using antioxidants and vitamins A, B, C, E, flavonoids, Sulfur compounds, terpenoids and phenolic compounds in the daily diet can protect sperm. In this study we aimed to assess synergistic effect of these herbal compounds in male Infertility.700 mg capsule for 60 consequence days/daily will be advising, for 40 patients semen samples in 1th and 60 day after treatment will take, for andrology lab according WHO method. Other biochemical tests will be doing according the our research protocol and thesis for blood samples for measure LH,Testestrone,TAC,Glc and Cholesterol.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2012071410278N1**

Registration date: **2012-08-07, 1391/05/17**

Registration timing: **prospective**

Last update:

Update count: **0**

##### Registration date

2012-08-07, 1391/05/17

##### Registrant information

##### Name

Arash Khaki

##### Name of organization / entity

Tabriz Univrsity of Medical Sciences

##### Country

Iran (Islamic Republic of)

##### Phone

+98 41 1553 9161

##### Email address

arashkhaki@yahoo.com

##### Recruitment status

**Recruitment complete**

##### Funding source

Women's Reproductive Health Research Center, Tabriz University of Medical Sciences

##### Expected recruitment start date

2012-08-22, 1391/06/01

##### Expected recruitment end date

2012-11-21, 1391/09/01

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Study the effect of mixed herbals drug (citrus,citrolus vol,lan,carrot seed,zingber,onion,basil,cinamon) administration on male infertility: oligospermia

##### Public title

Study the effect of mixed herbal drug administration on male infertility: oligospermia

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

Inclusion criteria: all patients suffering from oligo spermia are included. Exclusion criteria: any diseases

##### Age

From **25 years** old to **50 years** old

**Gender**

Male

**Phase**

N/A

**Groups that have been masked**

No information

**Sample size**

Target sample size: 40

**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**

Tabriz University of medical Sciences

**Street address**

Tabriz, Golgasht Ave,

**City**

Tabriz

**Postal code**

51386

**Approval date**

2012-05-28, 1391/03/08

**Ethics committee reference number**

9026

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

Oligo spermia

**ICD-10 code**

N46

**ICD-10 code description**

Male infertility

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

Sperm count

**Timepoint**

First day of research, 2th time for sampling is 60 days

after treatment

**Method of measurement**

Semen analysis

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

Sperm motality, viability

**Timepoint**

1th time in first day of research, 2th time after 60 days of treatment

**Method of measurement**

Semen analysis

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

each capsul contains 700 mg of 8 herbals.

**Category**

Treatment - Drugs

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

Alzahra hospital

**Full name of responsible person**

Dr. Khaki

**Street address**

Tabriz, south Artesh Ave

**City**

Tabriz

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

Women's Reproductive Health Research Center,  
Tabriz University of Medical Sciences

**Full name of responsible person**

Dr. Elahe Madarek

**Street address**

Tabriz, Artesh Ave, Alzahra hospital

**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, Tabriz  
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***Postal code**

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**Web page address**<http://wrhrc.tbzmed.ac.ir/?MID=21&Type=News&TypeID=1&id=10>**Person responsible for general inquiries****Contact****Name of organization / entity**Women's Reproductive Health Research Center,  
Tabriz University of Medical Sciences**Full name of responsible person**

Dr.Arash Khaki

**Position**

Associate Prof in Pathology-Member

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

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Tabriz University of Medical Sciences**Full name of responsible person**

Dr.Arash Khaki

**Position**

member/Pathologist

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Tabriz University of Medical Sciences**Full name of responsible person**

Dr.Arash Khaki

**Position**

Member/Pathologist

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

Tabriz South Artesh Ave,Alzahra Hospital

**City**

Tabriz

**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*