

Clinical Trial Protocol

Iranian Registry of Clinical Trials

08 Jun 2026

Study mixed herbal drug administration on semen antioxidants and testosterone level in male infertility; oligospermia

Protocol summary

Summary

The overall objective of the project to determine the health effects of mixtures of several plant on changes antioxidants in semen in men with oligospermia. This study is interventional. The samples number is 40 that herbal mixture with the shape of 700mg capsules produces and administrate it to the patients. Semen samples after a minimum of 2 and a maximum of 7 days to refrain from sexual contact in sterile plastic containers for liquid semen collection and analysis will be done in terms of antioxidants semen. The 700mg capsules dispose to the patients one-time daily. This 700mg capsules include equally proportion of Onions, ginger, basil, cinnamon, orange peel, yellow and red watermelon seed and carrot seed. Once the patients in the first day and the second time after 6 months of drug will gate sample. Semen samples after a minimum of 2 and a maximum of 7 days of abstinence from sexual contact is collected in sterile plastic containers And kits for measuring vitamin E Semen with method of (HPLC) High-performance liquid chromatography will be done. Other specific kits for measuring serum antioxidants measured by radio immunoassay political will. Inclusion criteria included patients with oligospermia without specific drugs using within the last six months without varicocele and without a history of systemic disease during the last six months and If there is a varicocele or systemic disease during the last six months or a particular drug within the last six months are excluded.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014012512146N3**

Registration date: **2014-07-24, 1393/05/02**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2014-07-24, 1393/05/02

Registrant information

Name

Laaya Farzadi

Name of organization / entity

Woman's Reproductive Health Research Center of Tabriz

Country

Iran (Islamic Republic of)

Phone

+98 41 1553 9161

Email address

farzadl@tbzmed.ac.ir

Recruitment status

Recruitment complete

Funding source

Tabriz University of Medical Sciences

Expected recruitment start date

2013-01-19, 1391/10/30

Expected recruitment end date

2014-02-19, 1392/11/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Study mixed herbal drug administration on semen antioxidants and testosterone level in male infertility; oligospermia

Public title

Effect of herbal drugs on the semen antioxidants

Purpose

Treatment

Inclusion/Exclusion criteria

Men with oligospermia enter the study if they sign informed consent and if they use some other drugs or if they have another diseases such az varicocele that effect on sperm analysis, they exclude from the study.

Age

No age limit

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 University of Medical Sciences, Golbad street

City

Tabriz

Postal code

Approval date

2014-06-26, 1393/04/05

Ethics committee reference number

9351

Health conditions studied

1

Description of health condition studied

oligospermia

ICD-10 code

N46

ICD-10 code description

Male infertility

Primary outcomes

1

Description

Semen antioxidants level

Timepoint

Before the study and 6 months after study

Method of measurement

HPLC

2

Description

serum testosterone level

Timepoint

Before the study and 6 months after study

Method of measurement

ng/dl

Secondary outcomes

1

Description

Sperm count

Timepoint

Before the study and 6 months after study

Method of measurement

Semen analysis

Intervention groups

1

Description

The samples number is 40 that herbal mixture with the shape of 700mg capsules produces and administrate it to the patients. Semen samples after a minimum of 2 and a maximum of 7 days to refrain from sexual contact in sterile plastic containers for liquid semen collection and analysis will be done in terms of antioxidants semen. The 700mg capsules dispose to the patients one-time daily.this 700mg capsules include equally proportio n of Onions, ginger, basil, cinnamon, orange peel, yellow and red watermelon seed and carrot seed . Once the patients in the first day and the second time after 6 months of drug will gate sample. Semen samples after a minimum of 2 and a maximum of 7 days of abstinence from sexual contact is collected in sterile plastic containers And kits for measuring vitamin E Semen with method of (HPLC) High-performance liquid chromatography will be done. Other specific kits for measuring serum antioxidants measured by radio immunoassay political will.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Infertility ward- Alzahra education and treatment center

Full name of responsible person

Hasti Alizadeh

Street address

Alzahra hospital- Artesh Jonoobi avenue - Baghshomal cross

City

Tabriz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for Research, Tabriz University Of Medical Sciences

Full name of responsible person

Dr. Ali Reza Ostad Rahimi

Street address

Third Floor, Central Building of Number2, Golgasht Street specialized education assistant of tabriz university of medical science

City

Tabriz

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Vice chancellor for Research, 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

Person responsible for general inquiries

Contact

Name of organization / entity

Tabriz University of Medical Sciences

Full name of responsible person

Hasti Alizadeh

Position

MD, gynecology resident

Other areas of specialty/work

Street address

Golbad Street, Tabriz University Of Medical Sciences

Tabriz

City

Tabriz

Postal code

Phone

+98 41 1553 6170

Fax

Email

dr.hasti@ymail.com

Web page address

www.tbzmed.ac.ir

Person responsible for scientific inquiries

Contact

Name of organization / entity

Tabriz University of Medical Sciences

Full name of responsible person

Dr. Laaya Farzadi

Position

Lecturer, gynecology specialist- infertility fellowship

Other areas of specialty/work

Street address

Tabriz University Of Medical Sciences, Golbad Street

City

Tabriz

Postal code

Phone

+98 41 1553 6170

Fax

Email

farzadL@tbzmed.ac.ir

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Tabriz University of Medical Sciences

Full name of responsible person

Hasti Alizadeh

Position

MD, gynecology resident

Other areas of specialty/work

Street address

Tabriz University of Medical Sciences, Golbad Street,

City

Tabriz

Postal code

Phone

+98 41 1553 6170

Fax

Email

dr.hasti@ymail.com

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