Clinical Trial Protocol
Iranian Registry of Clinical Trials

03 Jul 2026

The efficacy of Levothyroxin in euthyroid patient suffering from dysfunctional uterine bleeding

Protocol summary

Summary

Aim of research is the study of Levothyroxin efficacy in euthyroid patient suffering from dysfunctional uterine bleeding. The method of research is randomized triple blind placebo controlled clinical trial. Study population are female patients suffering from dysfunctional uterine bleeding refferedto Taleghani Hospital and Amiralmomenin HospitalsArak, Iran. Inclusion criteria: age range 35 to 55 years and dysfunctional uterine bleeding. Exclusion criteria: pregnancy; diabetes mellitus; hyperprolactinemia; coagulopathy; uterine fibroma; endocervical and endometrial polyp; atypical hyperplasia or adenocarcinoma; ovarian cyst; ovarian mass; hormontherapy; thyroid dysfunction and contraindication of oral contraceptivpills. 120 patients are randomly divided in two groups (intervention and control). Both groups recieve oral contraceptive pill for 3 months. In addition to oral contraceptive intervention group recieve Levothyroxin 50 microgram/day and controlled group recieves placebo.The time of intervention is 3 months from the start date. Primary outcome is change in severity of uterine bleeding .

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201303294686N2**
Registration date: **2013-04-09, 1392/01/20**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2013-04-09, 1392/01/20

Registrant information

Name

Mehri Jamilian

Name of organization / entity

School of Medicine, Arak University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 86 1278 0660

Email address

mjamilian@arakmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Dr.Saeed changizi Ashtiyani (Arak University of Medical Sciences, vice president of education and research)

Expected recruitment start date

2013-03-20, 1391/12/30

Expected recruitment end date

2013-09-23, 1392/07/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The efficacy of Levothyroxin in euthyroid patient suffering from dysfunctional uterine bleeding

Public title

The efficacy of Levothyroxin in euthyroid patient suffering from dysfunctional uterine bleeding

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: age range 35 to 55 years and dysfunctional uterine bleeding. Exclusion criteria: pregnancy; diabetes mellitus; hyperprolactinemia; coagulopathy; uterine fibroma; endocervical and

endometrial polyp; atypical hyperplasia or adenocarcinoma; ovarian cyst; ovarian mass; hormontherapy; thyroid dysfunction and contraindication of oral contraceptivpills .

Age
From **35 years** old to **55 years** old

Gender
Female

Phase
2

Groups that have been masked
No information

Sample size
Target sample size: **120**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Triple blinded

Blinding description

Placebo
Used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Arak University of Medical Sciences

Street address
basij square

City
Arak

Postal code
3819691187

Approval date
2012-11-21, 1391/09/01

Ethics committee reference number
4-139-91

Health conditions studied

1

Description of health condition studied
Dysfunctional uterine bleeding

ICD-10 code
N93

ICD-10 code description
Other specified abnormal uterine and vaginal bleeding

Primary outcomes

1

Description
Severity of uterine bleeding

Timepoint
Before intervention and at the end of intervention

Method of measurement
Clinical examination

Secondary outcomes

1

Description
Drug side effects

Timepoint
Before intervention and every 1 month

Method of measurement
Clinical examination

Intervention groups

1

Description
Intervention group recive oral contraceptive pill plus Levothyroxin 50 microgram /day for 3 months .

Category
Treatment - Drugs

2

Description
Controlled group recive oral contraceptive pill plus placebo for 3 months.

Category
Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center
Taleghani Hospital -Amiralmomenin Hospital

Full name of responsible person
Mehri Jamilian

Street address
Taleghani Hospital

City
Arak

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Arak University Medical of Sciences

Full name of responsible person
Dr. Ashtiany
Street address
Basij square
City
Arak
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Arak University Medical of 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
Arak University of Medical Sciences
Full name of responsible person
Mehri Jamilian
Position
Board of Obstetric and Gynecology, Assistant professor
Other areas of specialty/work
Street address
Taleghani Hospital
City
Arak
Postal code
3819691187
Phone
+98 86 1278 0660
Fax
Email
mjamilian@gmail.com
Web page address

Person responsible for scientific inquiries

Contact
Name of organization / entity
Arak Unicesversity of Medical Sciences
Full name of responsible person
Mehri Jamilian
Position
Board of Obstetric
Other areas of specialty/work
Street address
Basij square
City
Arak
Postal code
3848176941
Phone
+98 86 1417 3536
Fax
+98 86 1417 3639
Email
mjamilian@yahoo.com
Web page address

Person responsible for updating data

Contact
Name of organization / entity
Arak University of Medical Sciences
Full name of responsible person
Mehri Jamilian
Position
Assistant professor .Board of Obstetric
Other areas of specialty/work
Street address
Taleghani Hospital
City
Arak
Postal code
3816149369
Phone
+98 86 1278 0660
Fax
Email
mjamilian@yahoo.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