

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Effect of Aspirin on Estradiol level in Post menopausal women

Protocol summary

Medical Sciences

Summary

The objective of this double blind placebo-controlled trial is to investigate the effect of Aspirin on estradiol level in post menopausal women. A total of 40 post menopausal women who meet the eligibility criteria will be recruited and after signing the informed consent randomly assigned to receive aspirin or placebo for 6 weeks. Estradiol, SHBG, and testosterone level at the baseline and the end of the study period measured by ELISA method.

Expected recruitment start date

2010-09-01, 1389/06/10

Expected recruitment end date

2011-08-02, 1390/05/11

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201012195397N1**

Registration date: **2011-01-03, 1389/10/13**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2011-01-03, 1389/10/13

Registrant information

Name

Shalaleh Eivazi Adli

Name of organization / entity

Azad University, Pharmacy branch

Country

Iran (Islamic Republic of)

Phone

+98 41 1332 3155

Email address

sh_adli@yahoo.com

Recruitment status

Recruitment complete

Funding source

Vice-chancellor for research, Tehran University of

Scientific title

Effect of Aspirin on Estradiol level in Post menopausal women

Public title

Effect of Aspirin on Estradiol level in Post menopausal women

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: age 45-80 years, not using NSAID drugs during past 3 months, not having menstruation cycle during the past 12 months, bilateral oophorectomy, hysterectomy without the bilateral oophorectomy with age more than 56 for smokers and age more than 54 years old for non-smokers, not using sexual hormones during the past 3 months Exclusion criteria: Taking NSAIDs or another inflammatory drugs, Inflammatory diseases, consuming of drugs that can alter the estradiol level for instance: inhibitor's aromatase enzyme, women who are candidate for surgery during the following 2-3 months, not willing to participate

Age

From **45 years** old to **85 years** old

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 40

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Vice-chancellor for research, Tehran University of Medical Sciences

Street address

Central organization of Tehran University of Medical Sciences, Ghods avenue, Keshavarz Blvd, Tehran

City

Tehran

Postal code

Approval date

2010-10-03, 1389/07/11

Ethics committee reference number

10845-33-02-89

Health conditions studied

1

Description of health condition studied

sexual hormone

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Estradiol

Timepoint

6 weeks

Method of measurement

ELISA

Secondary outcomes

1

Description

SHBG (sex Hormone Binding Globulin)

Timepoint

6 weeks

Method of measurement

ELISA

2

Description

Testosterone

Timepoint

6 weeks

Method of measurement

ELISA

Intervention groups

1

Description

100 milligram Aspirin daily for 6 weeks

Category

Treatment - Drugs

2

Description

One Placebo capsule daily for 6 weeks

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Arash hospital

Full name of responsible person

Street address

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice-chancellor for research, Tehran University of Medical Sciences

Full name of responsible person

Saeidi

Street address

Central organization of Tehran University of Medical Sciences, Ghods avenue, Keshavarz Blvd, Tehran

City

Tehran

Grant name

Grant code / Reference number**Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Vive-chancellor for research, Tehran 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**

Tehran University Of Medical Sciences

Full name of responsible person

Mania Radfar

Position

Assistant professor

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

Tehran University of Medical Sciences, faculty of pharmacy, 16 Azar avenue

City

Tehran

Postal code**Phone**

+98 21 6695 4709

Fax**Email**

radfarma@tums.ac.ir; mania1352@yahoo.com

Web page address**Person responsible for scientific inquiries****Contact****Name of organization / entity**

Tehran University Of Medical Sciences

Full name of responsible person

Mania Radfar

Position

Assistant of professor

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

Tehran University of Medical Sciences, Faculty of pharmacy, 16 Azar avenue

City

Tehran

Postal code**Phone**

+98 21 6695 4709

Fax**Email**

radfarma@tums.ac.ir; mania1352@yahoo.com

Web page address**Person responsible for updating data****Contact****Name of organization / entity**

Azad University, Faculty of pharmacy

Full name of responsible person

Shalaleh Eivazi adli

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

Yasaman allay, Yakhchal avenue, Shariati street

City

Tehran

Postal code**Phone****Fax****Email**

shalale.adli@gmail.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