Clinical Trial Protocol
Iranian Registry of Clinical Trials

11 Jun 2026

The effect of aspirin adminstration for prevention of preeclampsia in pregnant women with abnormal findings in uterine artery doppler sonography

Protocol summary

Summary

In this double-blind randomized clinical trial, singleton pregnant women with gestational age between 11 to 15 weeks in prenatal clinic, Qazvin Kosar hospital are evaluated by uterine artery doppler sonography. Women with underlying disease, history of asthma, sensitivity to aspirin, termination of pregnancy before 20 weeks of gestation are excluded. One hundred pregnant women with abnormal findings in doppler sonography are randomly assigned to the intervention and control groups. Intervention group received aspirin 80 mg daily between 14 - 16 weeks of gestation until 37 weeks. The control group received a placebo pill daily. The two groups are followed until the end of pregnancy and pregnancy outcome in terms of preeclampsia, intrauterine growth restriction, preterm labor, mode of delivery, birth weight, first and fifth minutes apgar score are investigated.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201505103025N5**
Registration date: **2015-06-08, 1394/03/18**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2015-06-08, 1394/03/18

Registrant information

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Farideh Movahed
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Qazvin University of Medical Sciences and Health Services
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Recruitment status

Recruitment complete

Funding source

Qazvin University of Medical Sciences

Expected recruitment start date

2014-09-23, 1393/07/01

Expected recruitment end date

2015-06-22, 1394/04/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of aspirin adminstration for prevention of preeclampsia in pregnant women with abnormal findings in uterine artery doppler sonography

Public title

Effect of aspirin for prevention of preeclampsia in women with abnormal ultrasonic findings in uterine artery

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: pregnant women; singletone; gestational age 11-15 weeks; abnormal finding in uterine artery doppler sonography exclusion criteria: underlying medical condition; history of asthma; allergic to aspirin; termination of pregnancy before 20 weeks of pregnancy

Age
From **18 years** old to **42 years** old
Gender
Female

Phase
3
Groups that have been masked
No information
Sample size
Target sample size: **100**
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
Ethics Committee, Qazvin University of Medical Sciences
Street address
Iran, Qazvin, Bahonar Blvd
City
Qazvin
Postal code
4321102589
Approval date
2014-06-12, 1393/03/22
Ethics committee reference number
28/20/8853

Health conditions studied

1

Description of health condition studied
Preeclampsia
ICD-10 code
O13
ICD-10 code description
Gestational [pregnancy-induced] hypertension without significant proteinuria

2

Description of health condition studied
Preeclampsia
ICD-10 code
O14
ICD-10 code description
Gestational [pregnancy-induced] hypertension with significant proteinuria

Primary outcomes

1

Description
Preeclampsia
Timepoint
Measurement of Blood pressure every two weeks until 28 w then every week until termination of pregnancy
Method of measurement
Barometer, mmHg

Secondary outcomes

1

Description
Intrauterine Growth Retardation
Timepoint
Every two weeks until 28 w then every week until termination of pregnancy
Method of measurement
Doppler Ultrasound If fetal growth retardation is suspected

2

Description
1 and 5 min apgar
Timepoint
1 and 5 min after birth
Method of measurement
Standard apgar score

3

Description
Neonatal Weight
Timepoint
After Birth
Method of measurement
Digital Scale(gram)

Intervention groups

1

Description
Intervention Group: aspirine tablet 80 mili gram daily after 14-16 week of gestation until 37 week of pregnancy
Category
Prevention

2

Description
Control Group: placebo tablet daily after 14-16 week of

gestation until 37 week of pregnancy

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Kosar Hospital

Full name of responsible person

Farideh Movahed

Street address

Iran,Qazvin, Taleghani St, Kosar Hospital

City

Qazvin

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice-Chancellor for Research of Qazvin University of Medical Sciences

Full name of responsible person

Farideh Movahed

Street address

Iran, Qazvin, Bahonar Blvd

City

Qazvin

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 of Qazvin 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

Qazvin University of Medical Sciences

Full name of responsible person

Farideh Movahed

Position

Associate Professor, Department of Obstetrics and Gynecology

Other areas of specialty/work

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Web page address

Person responsible for updating data

Contact

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