

Clinical Trial Protocol

Iranian Registry of Clinical Trials

05 Jul 2026

The effect of Aspirin in prevention of pre eclampcia and its complication in women with abnormal uteirn Artery Doppler ultrasound

Protocol summary

Summary

This is a randomized single blind clinical trial in preventing of preeclampsia and its complication in women with abnormal uterine Artery Doppler ultrasound. Inclusion criteria are included pregnant women in 16-18 week with preeclampsia risk such as: vascular disease, chronic hypertension, diabetes mellitus, age under 20 and more than 40 years old. Exclusion criteria are women with heart disease, liver disease, thyroid disease, chronic renal disease and peptic ulcer. Eighty women in 16-18 week of pregnancy that refers to the Shabihkhany hospital in kashan and had preeclampsia risk were selected. All underwent uterine Artery Doppler ultrasound in 16-18 week and if results were abnormal they divided in two groups randomly. First group received 100 mg Aspirin tablet daily and second group didn't received any drug. Then all of patient visited every two week until beginning labor and checked their blood pressure. Then Pregnancy outcome include preeclampsia prevalence, IUGR, Preterm labor, Neonatal Apgar score at 1 and 5 minute, type of delivery, and neonatal weight will assessed.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138809232854N1**
Registration date: **2010-04-24, 1389/02/04**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2010-04-24, 1389/02/04

Registrant information

Name

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Name of organization / entity

Kashan University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Vice chancellor of resarch Kashan University of Medical Sciences

Expected recruitment start date

2008-12-21, 1387/10/01

Expected recruitment end date

2011-04-21, 1390/02/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of Aspirin in prevention of pre eclampcia and its complication in women with abnormal uteirn Artery Doppler ultrasound

Public title

The effect of Aspirin in prevention of pre eclampcia and its complication in women with abnormal uteirn Artery Doppler ultrasound

Purpose

Treatment

Inclusion/Exclusion criteria

inclusion criteria: pregnant women in 16-18 week with preeclampsia risk such as: vascular diseases, chronic hypertension, diabet melitus, age under 20 and more

than 40 years old. Exclusion criteria: women with heart disease, liver disease, thyroid disease, chronic renal disease and peptic ulcer.

Age

From **15 years** old to **50 years** old

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **80**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Kashan University of Medical Sciences

Street address

Ravand Road Kashan University of Medical Sciences

City

Kashan

Postal code

Approval date

2010-03-17, 1388/12/26

Ethics committee reference number

5224/1/5/29/پ

Health conditions studied

1

Description of health condition studied

preeclampsia

ICD-10 code

014.9

ICD-10 code description

Pre-eclampsia, unspecified

Primary outcomes

1

Description

in prevention of pre eclampcia and its complication in women with abnormal uteirn Artery Doppler ultrasound

Timepoint

every two weeks

Method of measurement

patient visit and blood presure chek

Secondary outcomes

1

Description

delivery type

Timepoint

after delivery

Method of measurement

Documented data

2

Description

preterm labor

Timepoint

after delivery

Method of measurement

documented data

3

Description

neonatal Apgar score

Timepoint

1 and 5 minute after delivery

Method of measurement

heart rate, respiratory rate, tone,skin color and grimace

4

Description

neonatal weight

Timepoint

after delivery

Method of measurement

neonatal weight asses

5

Description

Intra uterine Growth Restriction

Timepoint

after delivery

Method of measurement

based on age and weight

Intervention groups

1

Description

Administration of 100 mg Aspirin tablet daily

Category

Treatment - Drugs

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

Shabihkhany Hospital

Full name of responsible person

Dr Mesdaghinia Elahe

Street address

Beheshti Street ,Shabihkhany Hospital

City

Kashan

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

Vice Chancellor of research

Full name of responsible person

Dr Hamidy Gholamali

Street addressRavand road Kashan University of Medical Sciences .
Vice Chancellor of research**City**

Kashan

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

Yes

Title of funding source

Vice Chancellor of research

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**

Kashan University of Medical Sciences

Full name of responsible person

Masoumeh Abedzadeh kalahroudi

Position

MSc in Midwifery

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Other areas of specialty/work**Street address**Kashan University of Medical Sciences Midwifery
College - Midwifery Department**City**

Kashan

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