

Clinical Trial Protocol

Iranian Registry of Clinical Trials

22 Sep 2026

Effect of low-dose aspirin on uterine artery doppler flow in pregnant women with intrauterine growth retardation

Protocol summary

Study aim

The effect of aspirin on Doppler findings of uterine artery, umbilical cord and midbrain in pregnant women with intrauterine growth retardation

Design

Both the experimental and control groups will be followed up until the end of pregnancy and will undergo Doppler ultrasound at 36 weeks of gestation, and the findings of Doppler ultrasound of the uterine, umbilical and middle cerebral arteries will be compared.

Settings and conduct

In this study, pregnant women undergo biometric ultrasound after 24 weeks of gestation. Mothers with fetuses below the 10th percentile will be included in the biometric ultrasound study. Mothers with fetuses below 10 percent will be randomly divided into control and test groups using a lottery. Prior to any intervention, Doppler ultrasound of the uterine, umbilical and middle cerebral arteries is performed for both test and control groups.

Participants/Inclusion and exclusion criteria

Inclusion criteria: - Mother's age is less than 40 years. - The mother does not have an underlying disease - is a singleton pregnancy. Have no history of taking aspirin, anoxane, etc. during pregnancy. Do not have preeclampsia and gestational hypertension. - Intrauterine growth restriction is detected before 34 weeks. Exclusion criteria: - Patients do not cooperate to perform serial ultrasounds and do not take aspirin regularly And women will be reluctant to continue reading.

Intervention groups

If there is no improvement in the ultrasound findings of the uterine, umbilical and middle cerebral arteries in the same test group, the aspirin dose will be increased to 150 mg and Doppler ultrasound will be performed again two weeks later.

Main outcome variables

Ultrasound findings of uterine artery, umbilical, middle patient

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20180227038892N2**

Registration date: **2022-06-17, 1401/03/27**

Registration timing: **prospective**

Last update: **2022-06-17, 1401/03/27**

Update count: **0**

Registration date

2022-06-17, 1401/03/27

Registrant information

Name

Neda Hashemi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 21 8825 9024

Email address

nedahashemi1363@yahoo.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2022-06-20, 1401/03/30

Expected recruitment end date

2023-06-20, 1402/03/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

2

Description

Control group: Mothers with fetuses below the 10% percentile will not receive them without any intervention.

Category

Diagnosis

Recruitment centers

1

Recruitment center

Name of recruitment center

Hazrat Rasool Akram Hospital

Full name of responsible person

Neda Hashemi

Street address

Hazrat Rasool Akram Hospital-Sattar Khan-Tehran-Iran

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Iran University of Medical Sciences

Full name of responsible person

Dr Hossein Keyvani-Vice Chancellor for Research and Technology, Iran University of Medical Sciences

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Hazrat Rasool Akram Hospital-Sattar Khan-Tehran-Iran

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Grant name

Grant code / Reference number

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

Yes

Title of funding source

Iran University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

Academic

Person responsible for general inquiries

Contact

Name of organization / entity

Iran University of Medical Sciences

Full name of responsible person

Neda Hashemi

Position

assistant professor

Latest degree

Subspecialist

Other areas of specialty/work

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Yes - There is a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

Yes - There is a plan to make this available

Data Dictionary

Yes - There is a plan to make this available

Title and more details about the data/document

Part of data like the main outcome or the same will be shared

When the data will become available and for how long

Access after 6 months after publication

To whom data/document is available

Data will be available for all researchers

Under which criteria data/document could be used

It can be used for further research and improvement of surgery. Surgeons and gynecologists can use this data.

From where data/document is obtainable

For receiving data please be contacted with
nedahashemi1363@yahoo.com

What processes are involved for a request to access data/document

limitless

Comments