

Clinical Trial Protocol

Iranian Registry of Clinical Trials

13 Jun 2026

The effects of iron supplement on neonates anthropometric measures in pregnant women with Hb higher than 13.2 gr/dl

Protocol summary

Summary

Objectives: To determine the effects of iron supplement on neonates anthropometric measures in pregnant women with Hb higher than 13.2 gr/dl. Inclusion and Exclusion criteria: age 17-35, Hb higher than 13.2 gr/dl in 13-18 W of pregnancy, single gestation, BMI=19.8-26, no smoking and alcohol, appropriate nutrition. Participants: 676 pregnant women with Hb higher than 13.2 gr/dl. 340 were placed in the case group and 336 in the control group. Intervention: in the case group consumed 1 ferrous sulphate pill containing 50 mg iron per day from the 20th weeks to the end of pregnancy. the control group consumed 1 placebo pill per day from the 20th weeks to the end of pregnancy. Main outcome measures: weight, height, head circumference of neonates.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138812042558N4**

Registration date: **2012-08-30, 1391/06/09**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2012-08-30, 1391/06/09

Registrant information

Name

Esmat Jafarbegloo

Name of organization / entity

Qom university of medical sciences

Country

Iran (Islamic Republic of)

Phone

+98 25 1722 5100

Email address

jafarbegloo@muq.ac.ir

Recruitment status

Recruitment complete

Funding source

Tarbiat Modarres University

Expected recruitment start date

2004-04-03, 1383/01/15

Expected recruitment end date

2007-09-22, 1386/06/31

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effects of iron supplement on neonates anthropometric measures in pregnant women with Hb higher than 13.2 gr/dl

Public title

Effects of iron supplement on neonates anthropometric measures

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: age 17-35; Hb higher than 13.2 gr/dl in 13-18 W of pregnancy; Single gestation; BMI=19.8-26; no smoking and alcohol; appropriate nutrition; Exclusion criteria: history or illness in heart disease; lung disease; kidney disease; gastrointestinal; thyroid; parathyroid; pancreas; diabetes; lupus; hypertension; epilepsy; viral infection; toxoplasmosis; STD; polycythemia vera; history and acute disease of malignancy; hyperemesis; threatened abortion; bleeding in pregnancy.

Age

From **17 years** old to **35 years** old

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **676**

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

Tarbiat Modaress University

Street address

Jalale-Ale-Ahmad ave- Tehran

City

Tehran

Postal code

Approval date

2004-03-16, 1382/12/26

Ethics committee reference number

6230/103

Health conditions studied

1

Description of health condition studied

Neonates Anthropometric Indexes

ICD-10 code

O28

ICD-10 code description

Abnormal haematological finding on antenatal screening of mother O28

Primary outcomes

1

Description

Neonates Anthropometric Indexes

Timepoint

Postpartum

Method of measurement

Medical Records

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: One ferrous sulphate pill containing 50 mg iron, per day from the 20th weeks to the end of pregnancy.

Category

Placebo

2

Description

Control group: One placebo tablet per day from the 20th weeks to the end of pregnancy

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Maryam Hospital

Full name of responsible person

Esmat Jafarbegloo

Street address

Shoosh sq, Tehran

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tarbiat Modarres University

Full name of responsible person

Esmat Jafarbegloo

Street address

Jalale-Ale-Ahmad, Tehran

City

Tehran

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Tarbiat Modarres University

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

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Person responsible for general inquiries

Contact

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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