

Clinical Trial Protocol

Iranian Registry of Clinical Trials

26 Jul 2026

Effect of oral glucose on bio-physical profile score in pregnant women

Protocol summary

Summary

The aim of this study was to investigate the effect of oral glucose consumption on the score of bio-physical profile in pregnant women. Inclusion criteria: pregnant women; gestational ages between 32 to 40 weeks; singleton pregnancy; fetus without anomalies and exclusion criteria: hypertension and diabetes mellitus. In first, the score of bio-physical profile will be collected from 94 pregnant women of fasting, then control group will consume 200 cc of water and case group will consume 50 g oral glucose dissolved in 200 cc of water. Between 20 to 30 minutes after consumption of the solution, the score of bio-physical profile in both groups is recalculated.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2012120111628N1**
Registration date: **2013-01-19, 1391/10/30**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2013-01-19, 1391/10/30

Registrant information

Name

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Name of organization / entity

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Recruitment status

Recruitment complete

Funding source

Kermanshah University of Medical Science

Expected recruitment start date

2012-12-21, 1391/10/01

Expected recruitment end date

2013-06-22, 1392/04/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of oral glucose on bio-physical profile score in pregnant women

Public title

The effect of oral glucose in pregnant women

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: pregnant women; gestational ages between 32 to 40 weeks; singleton pregnancy; fetus without anomalies and exclusion criteria: hypertension and diabetes mellitus.

Age

No age limit

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **94**

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**

Kermanshah University of Medical Science

Street address

Research Department, Kermansha University of Medical Science, Shahid Beheshti Avenue, Kermanshah

City

Kermanshah

Postal code**Approval date**

2012-05-08, 1391/02/19

Ethics committee reference number

1432

Health conditions studied**1****Description of health condition studied**

Pregnant women

ICD-10 code

Z34

ICD-10 code description

Supervision of normal pregnancy

Primary outcomes**1****Description**

Score bps include of Fetal breathing movements, fetal movements, fetal tone, fetal heart rate, speed, volume of amniotic fluid

Timepoint

Pre-intervention and post-intervention

Method of measurement

For each variable, if the patient has normal conditions then score of 2 is recorded. Otherwise, no score is recorded. The highest possible score for a natural birth rate of 10 and the lowest score is zero.

Secondary outcomes

empty

Intervention groups**1****Description**

The case group will consume 50 g oral glucose dissolved in 200 cc of water.

Category

Other

2**Description**

The control group will consume 200 cc of water.

Category

Other

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

Part of Ultrasound- Imam Reza Hospital

Full name of responsible person

Dr. Nazanin Farshchian

Street address

Department of Radiology- Emam Reza Hospital- Kermanshah University of Medical Sciences- Kermanshah_ Iran

City

Kermanshah

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

Kermanshah University of Medical Sciences

Full name of responsible person

Dr. Farid Najafi

Street address

Research Affair, Kermanshah University of Medical Sciences, Shahid Beheshti Avenue, Kermanshah- Iran.

City

Kermanshah

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

Yes

Title of funding source

Kermanshah 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

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Person responsible for updating data

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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