Clinical Trial Protocol
Iranian Registry of Clinical Trials

11 Jun 2026

Comparison the effect of Descurainia sophia and placebo consumed by the mother in the last 6 weeks of pregnancy with Placebo on total and direct bilirubin levels in cord blood The last 6 weeks of pregnancy

Protocol summary

Summary

The aim of this study will be detection the effect of taking the Descurainna Sophia by mother in last 6 weeks of gestation on total and direct billirubin in cord blood. Inclusion criteria will include nulliparity and having a diploma or higher and exclusion criteria will include the incompatibility of RH, history of hemolysis in Parents and G6PD deficiency. The total sample size will be 100 women and 50 people in each group. At week 34 of pregnancy all subjects will complete the personal information form and then they will be randomely allocated to receive Descurainna Sophia or placebo from 34 weeks of gestation until time of delivery . The case group will receive 10 grams of Daphnia in a glass of water with sugar twice a day and the control group will receive only water and sugar . After birth the amount of total and direct bilirubin levels in cord blood will be measured with cord blood sampling and comapared in the two groups. The primary outcome will be total and direct bilirubin levels in cord blood.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201405253078N11**
Registration date: **2014-08-07, 1393/05/16**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2014-08-07, 1393/05/16

Registrant information

Name

Masoumeh Delaram

Name of organization / entity

Shahrekord University of Medical Sciences

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Research Council in Shahrekord University of Medical Sciences

Expected recruitment start date

2014-08-01, 1393/05/10

Expected recruitment end date

2015-12-01, 1394/09/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison the effect of Descurainia sophia and placebo consumed by the mother in the last 6 weeks of pregnancy with Placebo on total and direct bilirubin levels in cord blood The last 6 weeks of pregnancy

Public title

The effect of Descurainia Sophia on neonatal jaundice

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria : Nulliparity; having a diploma or higher
Exclusion criteria : Incompatibility of RH; familial history of hemolysis in parents; G6PD difitiency

Age
No age limit
Gender
Female

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **100**
Randomization (investigator's opinion)
Randomized
Randomization description
Blinding (investigator's opinion)
Single blinded
Blinding description
Placebo
Used
Assignment
Parallel
Other design features
-

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Shahrekord University of Medical Sciences
Street address
Faculty of Nursing and Midwifery, Shahrekord University of Medical Sciences, Shahrekord, Shahrekord, Iran.
City
Shahrekord
Postal code
3343588138
Approval date
2014-06-04, 1393/03/14
Ethics committee reference number
-

Health conditions studied

1

Description of health condition studied
Neonatal Jaundice
ICD-10 code
P59.9
ICD-10 code description
Neonatal jaundice from other and unspecified causes

Primary outcomes

1

Description
Total bilirubin levels in cord blood
Timepoint
At Birth
Method of measurement
Cord blood samplying

2

Description
Direct bilirubin levels in cord blood
Timepoint
At Birth
Method of measurement
Cord blood samplying

Secondary outcomes

empty

Intervention groups

1

Description
The intervention group will recieve 10 grams of Descurainia sophia in 250 cc of water and sugar twice a day from 34 weeks of gestation to time of delivery. After birth, the amount of total and direct bilirubin will detect by samplying of cord blood.
Category
Prevention

2

Description
The control group will receive a placebo (250 cc water and sugar) twice a day from 34 weeks of gestation to time of delivery. After birth, the amount of total and direct bilirubin levels in cord blood will be measured .
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Health Centers and Hajar Hospital in Shahrekord
Full name of responsible person
Masoumeh Delaram
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Faculty of Nursing and Midwifery, Shahrekord University of Medical Sciences, Shahrekord, Iran.
City
Shahrekord

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Shahrekord University of Medical Sciences
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Masoumeh Delaram
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Faculty of Nursing and Midwifery, Shahrekord University of Medical Sciences, Shahrekord, Iran.
City
Shahrekord
Grant name
Grant code / Reference number
-
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Shahrekord 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

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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