

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 bilirubin 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 randomly 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 compared 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)

Phone

+98 38 1333 5648

Email address

mdelaram@skums.ac.ir

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 deficiency

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 sampling

2**Description**

Direct bilirubin levels in cord blood

Timepoint

At Birth

Method of measurement

Cord blood sampling

Secondary outcomes

empty

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

The intervention group will receive 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 be detected by sampling 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

Street address

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

Full name of responsible person

Masoumeh Delaram

Street address

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

Contact**Name of organization / entity**

Shahrekord University of Medical Sciences

Full name of responsible person

Masoumeh Delaram

Position

M.Sc.

Other areas of specialty/work**Street address**

Faculty of Nursing and Midwifery, Shahrekord
University of Medical Sciences, Shahrekord, Iran.

City

Shahrekord

Postal code

8813833435

Phone

+98 38 1333 5648

Fax

+98 38 1334 6714

Email

masoumehdelaram@yahoo.com

Web page address

<http://www.skums.ac.ir>

Person responsible for scientific inquiries

Contact**Name of organization / entity**

Shahrekord University Of Medical Sciences

Full name of responsible person

Masoumeh Delaram

Position

M.Sc.

Other areas of specialty/work**Street address**

Faculty of Nursing and Midwifery, Shahrekord
University of Medical Sciences, Shahrekord, Iran.

City

Shahrekord

Postal code

8813833435

Phone

+98 38 1333 5648

Fax

+98 38 1334 6714

Email

masoumehdelaram@yahoo.com

Web page address

<http://www.skums.ac.ir>

Person responsible for updating data

Contact**Name of organization / entity**

Shahrekord University of Medical Sciences

Full name of responsible person

Masoumeh Delaram

Position

M.Sc.

Other areas of specialty/work**Street address**

Faculty of Nursing and Midwifery, Shahrekord
University of Medical Sciences, Shahrekord, Iran.

City

Shahrekord

Postal code

8813833435

Phone

+98 38133356458

Fax

+98 38 1334 6714

Email

masoumehdelaram@yahoo.com

Web page address

<http://www.skums.ac.ir>

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