

Clinical Trial Protocol

Iranian Registry of Clinical Trials

27 Jul 2026

Comparison of the effect of curcuma longa cream and placebo on cesarean wound healing

Protocol summary

Summary

The study aims at determining the effect of Curcuma Longa on cesarean wound healing. In this study mothers with the age range of 37-42 and with two deliveries were selected for the study and those with acute or chronic diseases and allergic records were excluded from the samples. The study will be conducted on 60 women referring to Imam Ali hospital for caesarian surgery in Amol who were randomly assigned to three groups of experimental, placebo and control. In the experimental group, a coded package of Curcuma Longa is given to the mothers and they will be trained on how to use them that is after thoroughly washing their hands and the wounds, they are expected to rub the cream on the area and repeat the steps twice a day for 16 days (12 hours $\pm$ 2) and complete the daily check list for the hygienic factors and the healing process on days 8 and 16 will be checked by a Cesarean experts (gynecologist). In placebo group, instead of using Curcuma Longa the Placebo type will be used and the control group will not receive anything.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201206069958N1**

Registration date: **2013-05-10, 1392/02/20**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2013-05-10, 1392/02/20

Registrant information

Name

Ghahraman Mahmoudi

Name of organization / entity

Islamic Azad University

Country

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Recruitment status

Recruitment complete

Funding source

Islamic Azad University-Sari Branch

Expected recruitment start date

2011-11-10, 1390/08/19

Expected recruitment end date

2012-09-09, 1391/06/19

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the effect of curcuma longa cream and placebo on cesarean wound healing

Public title

Evaluation of the effects of curcuma longa cream and placebo on cesarean wound healing

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: Mothers in 37-42 ages of pregnancy; cesarean with beneath cut; approximate two previous cesareans Exclusion criteria: serious' chronic sickness; cesarean with miomecotomy and Histrecotomy; using the effective drug on wound healing; allergic background.

Age

From **15 years** old to **45 years** old

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **150**

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

Islamic Azad University, Sari Branch

Street address

7th km of Sea Road, Sari, Iran

City

Sari

Postal code

4816119318

Approval date

2011-12-03, 1390/09/12

Ethics committee reference number

90-4

Health conditions studied

1

Description of health condition studied

Cesarean

ICD-10 code

O90.0

ICD-10 code description

Disruption of caesarean section wound

Primary outcomes

1

Description

Wound Healing

Timepoint

Days of 8,16 after cesarean

Method of measurement

Reeda questionnaire

Secondary outcomes

1

Description

Cesarean Pain

Timepoint

Days of 8,16 after cesarean

Method of measurement

Pain visiable scale questionnaire

Intervention groups

1

Description

In intervention group a package coded curcuma longa is delivered to the mother and trained how to use the cream. Means after complete washing of the hands and the wounds, cream the size of a finger placed on the suture zone and continue to do this twice a day (12 hours $\pm$ 2) for up to 16 days and daily complete the check list to the consideration given training, then at the afternoon of 8th and 16th day of post cesarean in order to evaluate healing cesarean refer to gynecologist clinic. Cesarean Healing in supine position with a metal ruler was assessed using a scale REEDA 5 (Redness, swelling and bruising between the two edges of the wound secretion) and Pain is measured using the Visual Pain Scale. Mark of zero represents no pain and 10 indicating the worst pain.

Category

Treatment - Drugs

2

Description

In placebo group, placebo turmeric cream will use instead of turmeric cream.

Category

Placebo

3

Description

Intervention for the control group is not considered.

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Ali Hospital

Full name of responsible person

Nikpour Maryam

Street address
Imam Ali Hospital, Amol
City
Amol

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Islamic Azad University, Sari Branch
Full name of responsible person
Dr Mahmudi Ghahraman
Street address
7th km of Sea Road, Sari, Iran
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Grant name

بودجه پژوهشي دانشگاه آزاد اسلامي، واحد ساري

Grant code / Reference number

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

Yes

Title of funding source

Islamic Azad University, Sari Branch

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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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