Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Sep 2026

The Effect of Olive Cream on Pain Intensity and Cesarean Section Wound Healing among Women

Protocol summary

Study aim
The effect of olive cream on pain intensity and cesarean section in women

Design
semi-experimental design with the control group, the sample size will be108 patients. Each group consists of 36 people.

Settings and conduct
This is a quasi-experimental design that will be performed on 108 women who have a cesarean section and who are referred to Arak Taleghani Hospital, Arak University of Medical Sciences, Arak, Iran. Sampling will be done by the available method. Random blocking will be done in the form of four blocks and women will randomly be divided into three groups: olive cream (n = 36), placebo group (n = 36) And the control group (n = 36). The intervention group will use the olive cream twice a day from the second day of surgery until the tenth day after surgery, and the placebo group, which has a cream-like olive cream in terms of color and odor and appearance, like the olive cream and from day two to day 10, it will be used twice daily and the control group will receive routine care after surgery. Assessing the severity of pain and wound healing on days 2 and 10 will be done by the researcher using the Visual Analogue Scale (VAS). The duration of surgical wound healing from the onset of the study to 10 days after surgery will be calculated and will be compared in three groups.

Participants/Inclusion and exclusion criteria
Inclusion and exclusion criteria: Term pregnancy with BMI less than 30 and undergo cesarean section for the first or second time. If there is any disease or drug-related to wound healing, the sample will be excluded.

Intervention groups
Intervention group: use olive cream twice a day from the second day after cesarean to 10 days. Placebo group: Use placebo 2 times a day from the second day after cesarean section to 10 days. Control group: only routine post-operative care.

Main outcome variables
Pain Intensity ؛ Wound Healing

General information

Reason for update

Acronym

IRCT registration information
IRCT registration number: **IRCT20180427039436N6**
Registration date: **2019-12-20, 1398/09/29**
Registration timing: **prospective**

Last update: **2019-12-20, 1398/09/29**
Update count: **0**

Registration date
2019-12-20, 1398/09/29

Registrant information

Name
Leila Amiri Farahani

Name of organization / entity

Country
Iran (Islamic Republic of)

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+98 21 4365 1139

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Recruitment status
Recruitment complete

Funding source

Expected recruitment start date
2020-02-20, 1398/12/01

Expected recruitment end date
2020-09-21, 1399/06/31

Actual recruitment start date
empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title
The Effect of Olive Cream on Pain Intensity and Cesarean Section Wound Healing among Women

Public title
The Effect of Olive Cream on Pain Intensity and Cesarean Section Wound Healing among Women
Purpose
Health service research
Inclusion/Exclusion criteria
Inclusion criteria:
Being Iranian gestational age between 37 and 42 complete weeks BMI less than 30 No history of cesarean section more than twice
Exclusion criteria:
chorioamnionitis history of known diseases or drugs disrupting wound healing Occurrence of any abnormalities that result in hospitalization of the neonatal intensive care unit (NICU) excessive bleeding and theneed for blood transfusion Hysterectomy or myomectomy Simultaneously with cesarean section smoking or drug abuse Prolonged rupture (more than 18 hours) of pre-operative amniotic fluid sac
Age
No age limit
Gender
Female

Phase
3
Groups that have been masked
No information
Sample size
Target sample size: **108**
Randomization (investigator's opinion)
Randomized
Randomization description
In this study, a quadratic block randomization method will be used. Randomization tool is statistical software.
Blinding (investigator's opinion)
Not blinded
Blinding description
Placebo
Used
Assignment
Parallel
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Ethics Committee Of Iran University of Medical Sciences
Street address
Hemat Highway next to Milad Tower, Tehran
City
tehran
Province
Tehran
Postal code
1449614535
Approval date
2019-09-24, 1398/07/02
Ethics committee reference number
IR.IUMS.REC.1398.651

Health conditions studied

1

Description of health condition studied
cesarean section
ICD-10 code
o82
ICD-10 code description
Single delivery by caesarean section

Primary outcomes

1

Description
wound healing
Timepoint
2 days after cesarean section and 10 days after cesarean section
Method of measurement
REEDA Scale

2

Description
Pain Intensity
Timepoint
2 days after cesarean section and 10 days after cesarean section
Method of measurement
VAS scale (visual analogue scale)

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: From the mothers of the intervention group who meet for the first time 2 hours after surgery, they will be asked to use 2 times oil creams at the site of the caesarean wound from day 2 after cesarean section until 10 days after surgery.
Category
Other

2

Description
Intervention group: The mothers in the placebo group will use a placebo twice a day after the second day of surgery, until the 10th day. A placebo that looks like a cream similar to the olive cream.

Category
Placebo

3

Description
Control group: The control group received neither local honey nor any of thelocal disinfectant materials (such as povidone iodine).The control group will receive routine postoperative care only.

Category
Other

Recruitment centers

1

Recruitment center

Name of recruitment center
Taleghani Hospital

Full name of responsible person
mahdiyeh taheri

Street address
Arak, the western side of Imam Khomeini Street next to the gas company, Taleghani Educational Center

City
arak

Province
Markazi

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3816149369

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lt-taleghani@arakmu.ac.ir

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Iran University of Medical Sciences

Full name of responsible person
Iran University of Medical Sciences

Street address
Shahid Hemmat highway, District 2

City
Tehran

Province
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۱۴۴۹۶۱۴۵۳۵

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malakoutik@yahoo.com

Grant name

Grant code / Reference number

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

Title of funding source
Iran University of Medical Sciences

Proportion provided by this source
100

Public or private sector
Public

Domestic or foreign origin
Domestic

Category of foreign source of funding
empty

Country of origin

Type of organization providing the funding
Academic

Person responsible for general inquiries

Contact

Name of organization / entity
Iran University of Medical Sciences

Full name of responsible person
Mahdiye Taheri

Position
student

Latest degree
Master

Other areas of specialty/work
Midwifery

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Person responsible for scientific inquiries

Contact

Name of organization / entity
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Full name of responsible person
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Position
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Latest degree
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Other areas of specialty/work

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Person responsible for updating data

Contact

Name of organization / entity

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Full name of responsible person

Leila Amiri Farahani

Position

Assistant professor

Latest degree

Ph.D.

Other areas of specialty/work

Reproductive Health

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Undecided - It is not yet known if there will be a plan to make this available

Study Protocol

No - There is not a plan to make this available

Statistical Analysis Plan

No - There is not a plan to make this available

Informed Consent Form

No - There is not a plan to make this available

Clinical Study Report

No - There is not a plan to make this available

Analytic Code

No - There is not a plan to make this available

Data Dictionary

No - There is not a plan to make this available