Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Nov 2026

The effect of flaxseed ointment on cesarean wound healing

Protocol summary

Study aim
Determine the effect of flaxseed ointment on cesarean wound healing

Design
A double-blind clinical trial was conducted on 120 women who were selected using spss software and randomly assigned into three intervention groups (referee, placebo) and control.

Settings and conduct
120 women who are referred to Imam Reza Hospital for cesarean section are selected. For the first 24 hours after the cesarean section, the area of the wound is washed with the serum and washed out of the drug or placebo. Duration of ointment in both groups is twice daily for 8 days. The control group receives health recommendations according to the hospital protocol. One-four-eighty-four-day-olds are evaluated with the help of the Rida instrument and the visual scale of the pain. Researcher, statistical analyst and research units of the type of drug (drug, placebo).

Participants/Inclusion and exclusion criteria
Inclusion criteria Age less than 18 years and more than 35 years Gestational age less than 37 or more than 42 weeks At least once previous cesarean section delivery of cesarean section. Baby weighing less than 2500 gr or over 4000 gr Cesarean section with myomectomy or hysterectomy Excessive bleeding that requires blood transfusion. Anomalies manifest in the baby. Extending the operating time for more than an hour Damage to the bladder or abdominal aorta during cesarean section Midwifery problems Expansion of surgical Cure for diseases that impair wound healing. Problems like: death of parents, wife, baby. Failure to enter the study Do not use ointment for more than two days or 6 times dispersed Drug effective on wound healing.

Intervention groups
Patient intervention groups or darunamar use 24 hours a day and then twice daily for 8 days daily. The health advice group is provided based on the routine protocol of the hospital.

Main outcome variables
Healing wound Pain

General information

Reason for update

Acronym
MKC

IRCT registration information
IRCT registration number: **IRCT20180506039552N1**
Registration date: **2018-10-25, 1397/08/03**
Registration timing: **registered_while_recruiting**

Last update: **2018-10-25, 1397/08/03**
Update count: **0**

Registration date
2018-10-25, 1397/08/03

Registrant information

Name
Maryam Soleimani huni

Name of organization / entity

Country
Iran (Islamic Republic of)

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Recruitment status
Recruitment complete

Funding source

Expected recruitment start date
2018-09-23, 1397/07/01

Expected recruitment end date
2019-01-21, 1397/11/01

Actual recruitment start date
empty

Actual recruitment end date
empty

Trial completion date

empty

Scientific title
The effect of flaxseed ointment on cesarean wound healing

Public title
The effect of flaxseed ointment on cesarean wound healing

Purpose
Treatment

Inclusion/Exclusion criteria

Inclusion criteria:
1.Be Iranian. 2- Resident of Mashhad. 3. The willingness to cooperate in the research, 4-age less than 18 years and more than 35 years.5. Have at least a reading / writing literacy higher than fifth of elementary school. 6- Gestational age less than 37 or more than 42 weeks based on LMP or first trimester ultrasonography. 7- At least once a previous cesarean section. 8. Cesarean Delivery, 9. Classic Hysterotomy Siege. 10. Weight of a baby under 2500 g or over 4000 g. 11 - Live or dead baby 12 - Cesarean section with myomectomy or hysterectomy.13. Excessive bleeding requiring blood transfusion. 14. Significant abnormality in the baby. 15. Longevity of the operation for more than an hour. 16. Damage to the bladder or abdominal aorta during cesarean section. 17. Midwifery problems. 18- Development of surgical incision 19-Distribution of wound healing disorders. 20. Problems such as: the death of parents, spouse, infant.

Exclusion criteria:
1-Do not use ointment for more than 2 days or 6 times dispersed 2- Use of drugs effective on wound healing.

Age
No age limit

Gender
Female

Phase
N/A

Groups that have been masked

- Participant
- Investigator
- Data analyser

Sample size
Target sample size: **120**

Randomization (investigator's opinion)
Randomized

Randomization description
Using SPSS software

Blinding (investigator's opinion)
Double blinded

Blinding description
Drug and drug coding was done by one of the laboratory staff.

Placebo
Used

Assignment
Parallel

Other design features
-

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
The Ethics Committee of Mashhad University of Medical Sciences

Street address
st.Daneshgah,Crossroad.Doktura,st.Ebn Sina.

City
Mashhad

Province
Razavi Khorasan

Postal code
9137913199

Approval date
2018-07-03, 1397/04/12

Ethics committee reference number
IR.MUMS.NURSE.REC.1397.023

Health conditions studied

1

Description of health condition studied
Cesarean wound healing

ICD-10 code
090.0

ICD-10 code description
Disruption of caesarean section wound

Primary outcomes

1

Description
Wound healing

Timepoint
After cesarean section (24 hours) and 4th and 8th days after the caesarian section

Method of measurement
Reeda Scale

Secondary outcomes

1

Description
pain

Timepoint
After cesarean section (24 hours) and 4th and 8th days after the caesarian section

Method of measurement
Pain visual scale

Intervention groups

1

Description
Intervention group1: the research unit in the same area as a piece of 5% cotton linen ointment, so that it is completely applied to the surface and done daily twice a day (every 12 hours) for 8 consecutive days
Category
Treatment - Drugs

2

Description
Intervention group 2: the research units in the size of a cuff of the placebo ointment (the base of the ointment) on the suture area, so that it completely covers the surface of the wound and do this twice daily (every 12 hours) for 8 consecutive days It is prescribed.
Category
Placebo

3

Description
Control group: Control group do not receive any drugs; they just receive routine care. The researcher sees them on 5th and 10th days after the caesarian section surgery
Category
Other

Recruitment centers

1

Recruitment center
Name of recruitment center
Emam Reza hospital
Full name of responsible person
Naderi
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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Mashhad University of Medical Sciences
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Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Mashhad 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
Mashhad University of Medical Sciences
Full name of responsible person
Dr Robab Latifnejad
Position
Vice President of Research and Faculty of Nursing and Midwifery
Latest degree
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Other areas of specialty/work
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inquiries

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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
Undecided - It is not yet known if there will be a plan to make this available
Statistical Analysis Plan
Not applicable
Informed Consent Form
Undecided - It is not yet known if there will be a plan to make this available
Clinical Study Report
Not applicable
Analytic Code
Undecided - It is not yet known if there will be a plan to make this available
Data Dictionary
Undecided - It is not yet known if there will be a plan to make this available