Clinical Trial Protocol
Iranian Registry of Clinical Trials

09 Nov 2026

Comparison of effect of Lavender essencial of oil and Povidon Iodine in wound healing of episiotomy

Protocol summary

Summary

The objective of this study was to compare routine wound care with Povidone Iodine with using Lavender essential oil in episiotomy. 120 primiparous mothers with singleton pregnancy for whom episiotomy had been done after uncomplicated normal vaginal delivery were randomly allocated into either intervention or control group. Subjects with any acute or chronic systemic diseases, hypersensitivity, severe wound infection at fifth day after delivery or allergy to lavender derivatives were excluded. Intervention under study was using Lavender essential oil (5-7 drops in 4 liter water two times per day) as sit bath. Patients in control group received routine episiotomy wound care with Povidone Iodine. Main outcome measures were pain on wound site, wound site edema, wound infection, suppurative secretion, number of remained sutures at tenth day, and wound dehiscence.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138710281557N1**
Registration date: **2009-05-16, 1388/02/26**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2009-05-16, 1388/02/26

Registrant information

Name

Katayon Vakilian

Name of organization / entity

Arak University of Medical Sciences and Health Services

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Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Arak University of Medical Science and Health Services and Barij Essence Pharmacology Company

Expected recruitment start date

2007-06-08, 1386/03/18

Expected recruitment end date

2007-09-21, 1386/06/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of effect of Lavender essencial of oil and Povidon Iodine in wound healing of episiotomy

Public title

Comparison of effect of Lavender essencial oil and Povidon Iodine in wound healing of episiotomy

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria : singleton pregnancy, primiparous, episiotomy Exclusion criteria : severe infection in 5th day after episiotomy, any acute or chronic diseases or allergy to Lavender oil

Age

From **15 years** old to **50 years** old

Gender

Female

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **120**
Randomization (investigator's opinion)
Randomized
Randomization description
Blinding (investigator's opinion)
Single blinded
Blinding description
Placebo
Not used
Assignment
Parallel
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Arak University of Medical Sciences and Health Services
Street address
Alamolhoda St.
City
Arak
Postal code
Approval date
2007-04-08, 1386/01/19
Ethics committee reference number
227

Health conditions studied

1

Description of health condition studied
Disruption of perineal obstetric wound
ICD-10 code
O90.1
ICD-10 code description
Disruption of perineal obstetric wound. episiotomy

Primary outcomes

1

Description
Edema
Timepoint
5 and 10 days after repair
Method of measurement
Diameter of edema on wound site in Centimiter

2

Description
Remaied sutures
Timepoint
10th day after repair
Method of measurement
number of remained sutures

3

Description
Pain
Timepoint
5th and 10th day after episiotomy
Method of measurement
visual analogue scale

4

Description
Redness
Timepoint
5 and 10 days after repair
Method of measurement
Diameter of redness in millimeter

5

Description
Discharge
Timepoint
5 and 10 after repair
Method of measurement
Presence of suppurative vaginal discharge

6

Description
Dehiscence
Timepoint
10th day after repair
Method of measurement
Incidence of wound dehiscence

Secondary outcomes

1

Description
Infection
Timepoint
5th and 10th day after child birth
Method of measurement
Presence of infective discharge and dehiscence of wound

Intervention groups

1

Description
Essential oil of Lavender 5-7 drops in 4 liter of water as sit bath two times a day for 2 weeks

Category
Prevention

2

Description
Povidon Iodine 4 spoon in 4 litter of water as sit bath for 2 weeks
Category
Prevention

Recruitment centers

1

Recruitment center
Name of recruitment center
Arak University of Medical Sciences and Health Services
Full name of responsible person
Katayon Vakilian
Street address
Alamolhoda St.
City
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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Arak University of Medical sciences and Health Services
Full name of responsible person
Katayon Vakilian
Street address
Alamolhoda St.
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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
Arak University of Medical sciences and Health Services
Proportion provided by this source
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

2

Sponsor
Name of organization / entity
Pharmacol Company of Barij Essence
Full name of responsible person
dr. Reza Bekhradi
Street address
Delijan, Pharmacol Company of Barij Essence
City
Delijan
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Pharmacol Company of Barij Essence
Proportion provided by this source
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