Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

The comparison of turmeric and betadine solution efficacy on episiotomy wound healing and pain relieif in Alzahra hospital in 2009

Protocol summary

Summary

The aim of this study is to compare turmeric and Povidone iodine solutions on episiotomy wound healing and pain relief in primiparous women in Alzahra Maternity Hospital in 2009. In this double blind clinical trial, 120 primiparous women who met inclusion criteria was randomly allocated into intervention or control group. Participants in the turmeric group used adequate amount of turmeric solution on perineal area 3 times daily for ten minutes for 10 days after delivery and in Povidone iodine group did the same application with Povidone Iodine solution. Pain was evaluated with visual analog scale and wound healing was assessed with REEDA scale primarily in 24 hours and 10 days after delivery.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138810193027N1**
Registration date: **2009-07-03, 1388/04/12**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2009-07-03, 1388/04/12

Registrant information

Name

Fahimeh Sehhatie Shafaie

Name of organization / entity

Tabriz university of Medical Sciences

Country

Iran (Islamic Republic of)

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+98 41 1479 6770

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Recruitment status

Recruitment complete

Funding source

Tabriz university of Medical Sciences

Expected recruitment start date

2009-07-03, 1388/04/12

Expected recruitment end date

2009-10-13, 1388/07/21

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The comparison of turmeric and betadine solution efficacy on episiotomy wound healing and pain relieif in Alzahra hospital in 2009

Public title

The comparison of turmeric and betadine solution efficacy on episiotomy wound healing and pain relieif in Alzahra hospital in 2009

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: First pregnancy or primparous, age between 20-30, any record of chronic or acute disease, No record of special medication or allergy to any substances, normal body mass index, pervious surgery or injury in perineal area, No prolonged bleeding after delivery, No prolonged labor or instrumentation, Normal episiotomy Exclusion criteria: No abscesses, hematoma, or infection in perineal aria in post partum, having sexual intercourse before ten days after delivery

Age

From **20 years** old to **30 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)
Double blinded
Blinding description
Placebo
Not used
Assignment
Parallel
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Tabriz university of Medical Sciences
Street address
Tabriz university of Medical Sciences, University St., Tabriz
City
Tabriz
Postal code
-
Approval date
empty
Ethics committee reference number
384/4/5

Health conditions studied

1

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

Primary outcomes

1

Description
episiotomy wound healing
Timepoint
24 hours and 10 days after delivery
Method of measurement
REED SCALE (Redness, echimosses, edema discharge, aproximation)

Secondary outcomes

1

Description
episiotomy pain relief
Timepoint
24 hours and 10 days after intervention
Method of measurement
VAS (vissual analog scale)

Intervention groups

1

Description
povidone iodine solution 3 times daily after toilet for ten minutues on perineal wound in ten days after delivery, topicaly
Category
Treatment - Drugs

2

Description
turmeric solution 2.5, %3 time daily after toilet for ten minutes on perineal wound in ten days after delivery topicaly
Category
Rehabilitation

Recruitment centers

1

Recruitment center
Name of recruitment center
Alzahra hospital
Full name of responsible person
Fahimeh Sehhatie Shafaie
Street address
Nursing and Midwifery faculty, Tabriz university of Medical Sciences, Tabriz
City
Tabriz

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Research Deputy of Tabriz university of Medical Sciences
Full name of responsible person
Dr Rashidi

Street address
Research Deputy of Tabriz university of Medical Sciences, Tabriz
City
Tabriz
Grant name
-
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Research Deputy of Tabriz 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

Person responsible for scientific inquiries

Contact
Name of organization / entity
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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