

Clinical Trial Protocol

Iranian Registry of Clinical Trials

28 Sep 2026

Comparing the effect of normal saline with Betadine solution in episiotomy wound healing

Protocol summary

Summary

The objective of this study was to compare normal saline and Betadine solution in episiotomy wound healing. This study was a randomized controlled trial, in which 120 nuliparous or multiparous women with episiotomy were randomly assigned into intervention or control group. For the patients in the intervention group, 10cc normal saline, 9 in 1000 cc, was sprinkled on episiotomy wound by a sterile syringe, three times a day for ten days. In the control group, 10% povidone iodine solution, three tablespoons in four glasses of water three times a day, was used similarly as the normal saline. Episiotomy wound were checked based on the standard REEDA checklist (erythema, edema, ecchymosis, and wound secretion) on the fifth and tenth day after episiotomy.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201012221839N3**

Registration date: **2011-01-08, 1389/10/18**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2011-01-08, 1389/10/18

Registrant information

Name

Mahtab Attarha

Name of organization / entity

Arak University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 861417350009

Email address

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Recruitment status

Recruitment complete

Funding source

Vice Chancellor for Research of Arak University Medical Sciences

Expected recruitment start date

2009-07-23, 1388/05/01

Expected recruitment end date

2010-02-23, 1388/12/04

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparing the effect of normal saline with Betadine solution in episiotomy wound healing

Public title

Episiotomy wound healing

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: full term pregnancy, singleton pregnancy with normal vaginal delivery, spontaneous placenta removal, PROM less than 18 hours, no illnesses that affect wound healing such as: cardiac, pulmonary, kidney disease, diabetes, anemia, coagulopathy and malnutrition Exclusion criteria: require to any antibiotics or immunosuppressive drugs during the study, change in location, not coming on the examination date and cases have not been instructed the plan of study

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: 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**

Ethics committee of Arak University Medical Sciences

Street address

Second Floor of Education Department Building,
Pardis Building Complex, Arak University Medical
Sciences, Sardasht Sq.

City

Arak

Postal code

76941-38481

Approval date

2009-07-23, 1388/05/01

Ethics committee reference number

4-60-88

Health conditions studied**1****Description of health condition studied**

Episiotomy Wound Healing

ICD-10 code

O00, O99

ICD-10 code description

Pregnancy, childbirth and the puerperium

Primary outcomes**1****Description**

Episiotomy wound healing

Timepoint

The third, seventh and tenth days during treatment

Method of measurement

Rate of healing

Secondary outcomes**1****Description**

Edema, inflammation and redness

Timepoint

The third, seventh and tenth during treatment

Method of measurement

Reeda score

Intervention groups**1****Description**

Intervention group: 10 cc saline normal (9 in 1000 cc),
manufactured by Samen Pharmaceutical Co., was
sprinkled on episiotomy wound by a sterile syringe, three
times a day for ten days

Category

Treatment - Drugs

2**Description**

Control group: 10 cc povidone iodine solution 10%, three
tablespoons in four glasses of water, manufactured by
Samen Pharmaceutical Co., was sprinkled on episiotomy
wound by a sterile syringe, three times a day for ten
days

Category

Treatment - Drugs

Recruitment centers**1****Recruitment center****Name of recruitment center**

Educational and Treatment Center of Ayatollah
Taleghani

Full name of responsible person

Mahtab Attarha

Street address**City**

Arak

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Vice Chancellor for Research of Arak University
Medical Sciences

Full name of responsible person

Davood Hekmat Poo

Street address

Second Floor of Education Department Building,
Pardis Building Complex, Arak University Medical
Sciences, Sardasht Sq.

City

Arak

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Vice Chancellor for Research of Arak University 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

Name of organization / entity

Nursing and Midwifery Faculty of Arak University
Medical Sciences

Full name of responsible person

Mahtab Attarha

Position

Instructor, academician

Other areas of specialty/work

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Contact

Name of organization / entity

Nursing Midwifery Faculty Of Arak University Medical
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Position

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Other areas of specialty/work

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Contact

Name of organization / entity

Full name of responsible person

Mahtab Attarha

Position

Other areas of specialty/work

Street address

City

Postal code

Phone

Fax

Email

Web page address

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