

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

Comparison of Continuous Versus Interrupted Sutures For Episiotomy Repair on Perineal Pain And wound repair

Protocol summary

Summary

The objective of this study was to evaluate the continuous and interrupted methods for repair of episiotomy following childbirth, regarding the incidence of pain and wound repair. This randomized double blind clinical trial was carried out at 29 bahman and talegani hospital of Tabriz between January 2012 and February 2012. A total of 100 (50 in each group) healthy women who had undergone vaginal deliveries with episiotomies were allocated to undergo episiotomy using continuous or interrupted suture techniques. In the first group, the incision was repaired with continuous, non locking sutures involving the vagina, perineal muscles, subcutaneous, and skin tissues. In the other group the incision was repaired with continuous, locking sutures of the vagina and subcutaneous, interrupted sutures in the perineal muscles and skin. Frequency and degree of pain were evaluated by visual analog scale at 12-18 hours postpartum and 10th postpartum days. Wound repair was evaluated by REEDA instrument consisted of edema, ecchymosis, redness, discharge, approximation, at 12-18 hours and 10th days after birth.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201112198459N1**
Registration date: **2012-01-15, 1390/10/25**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2012-01-15, 1390/10/25

Registrant information

Name

Shirin Hasanpoor

Name of organization / entity

Tabriz University of Medical Sciences

Country

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research of Tabriz University of Medical Sciences and Health Services.

Expected recruitment start date

2012-01-10, 1390/10/20

Expected recruitment end date

2012-02-19, 1390/11/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of Continuous Versus Interrupted Sutures For Episiotomy Repair on Perineal Pain And wound repair

Public title

continuous versus interrupted sutures for episiotomy repair

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: singleton pregnancy, primiparus with vertex presentation and NVD in Tabriz 29 bahman and talegani hospital, normal BMI, delivery with 3-4 cm length of episiotomy, without anemia and chronic diseases and no severe hemorrhage after delivery. Exclusion criteria:

prolong rupture of membrane, prolong second stage, operative vaginal delivery (vacuum or forceps use), analgesic drug used 4 hours before pain measurement, immunosuppressive disease, use of immunosuppressive drug, smoking, systemic disease, 3rd or 4th degree perineal tear, coitus before 10th day after delivery, perineal manipulation after episiotomy repair.

Age

From **18 years** old to **35 years** old

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **100**

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 tabriz University of Medical Sciences and Health Services

Street address

Tabriz University of Medical Sciences and Health Services

City

tabriz

Postal code**Approval date**

2011-11-26, 1390/09/05

Ethics committee reference number

9054

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

spontaneous vertex delivery

ICD-10 code

080.0

ICD-10 code description

spontaneous vertex delivery

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

perineal pain

Timepoint

12-18 hours after delivery and 10th days

Method of measurement

visual analog scale

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

wound repair

Timepoint

12-18 hours and 10th days after birth

Method of measurement

REEDA scale

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

continuous repair of episiotomy in intervention group

Category

Other

2**Description**

and interrupted repair of episiotomy in control group

Category

Treatment - Drugs

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

29 bahman hospital

Full name of responsible person

shahgoli roodabeh

Street address

29 bahman Ave

City

tabriz

2**Recruitment center****Name of recruitment center**

Talegani hospital

Full name of responsible person

shahgoli roodabeh

Street address
Rahahan square
City
tabriz

shirinhasanpoor@yahoo.com rshahgoli@yahoo.com
Web page address

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
tabriz medical science university- nursing and
midwifery faculty
Full name of responsible person
hasanoor shirin
Street address
South Shariaty Ave . Tabriz nursing and midwifery
faculty
City
Tabriz

Grant name

Grant code / Reference number

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

Title of funding source

tabriz medical science university- nursing and midwifery
faculty

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
Tabriz Nursing and Midwifery Faculty
Full name of responsible person
Hasanpoor shirin
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Person responsible for updating data

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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