Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 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 undergone 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 and10th postpartum days. Wound repaire was evaluated by REEDA instrument consisted of edema, ecchymosis, redness, discharge, approximation,at 12-18 hours and10th 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 inTabriz 29 bahman and talegani hospital, normal BMI,delivery with 3-4 cm length of episiotomy, without anemia and cronic diseases and no severe hemmorhage after delivery. Exclusion criteria:

prolong rapture 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 befor 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 houres 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

Sponsors / Funding sources

1

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