Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

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

Protocol summary

Summary

The objective of this study was to compare continuous versus interrupted sutures for repair of episiotomy following childbirth, regarding the incidence of pain and wound infection. This randomized double blind clinical trial was carried out at Hajar hospital of Shahrecord between September 2008 and July 2009. A total of 148 (74 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, nonlocking 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 2 hours postpartum and10th and 40th postpartum days. Wound infection was evaluated by edema, ecchymosis, hyperemia, secretion, dehiscence, and fibrosis at 10th days after birth.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138806162427N1**
Registration date: **2010-06-04, 1389/03/14**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2010-06-04, 1389/03/14

Registrant information

Name

Manigeh Sereshti

Name of organization / entity

Shahrecord University of Medical Sciences and Health Services- Nursing and Midwifery faculty-Midwife

Country

Iran (Islamic Republic of)

Phone

+98 38 1333 5648

Email address

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Recruitment status

Recruitment complete

Funding source

Shahrecord University of Medical Sciences and Health Services

Expected recruitment start date

2007-08-23, 1386/06/01

Expected recruitment end date

2009-06-21, 1388/03/31

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 Infection

Public title

Continuous versus interrupted sutures for episiotomy repair

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: singelton pregnancy with vertex presentation and Occipital anterior position, shahrecord resident Exclusion criteria: prolong rapture of membrane, prolong second stage, operative vaginal delivery (vaccum or forceps use), analgesic drug used 4-6 hours

before pain measurement, immunosuppressanive disease, use of immunosuppressive drug, smoking, systemic disease, 3rd or 4th degree perineal rupture

Age
From **14 years** old to **41 years** old

Gender
Female

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **148**

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
Ethics Committee Of Shahrecord University of Medical Sciences and Health Services

Street address
Vice Chancellor for Research, Shahrecord University of Medical Sciences and Health Services, Kashani Street, Shahrecord

City
Shahrecord

Postal code

Approval date
2007-08-01, 1386/05/10

Ethics committee reference number
86-6-9

Health conditions studied

1

Description of health condition studied
Spontaneous vertex delivery

ICD-10 code
O80.0

ICD-10 code description
Spontaneous vertex delivery

Primary outcomes

1

Description
Perineal Pain

Timepoint
At 2 hours postpartum and 10th and 40th days after birth

Method of measurement
Visual Analog Scale

Secondary outcomes

1

Description
Episiotomy Wound Infection

Timepoint
10th days after birth

Method of measurement
Wound infection was evaluated by edema, ecchymosis, hyperemia, secretion, dehiscence, fibrosis

Intervention groups

1

Description
Continuous Episiotomy Repair

Category
Prevention

2

Description
Standard Episiotomy Repair or Interrupted Sutures For Repair Of Episiotomy

Category
N/A

Recruitment centers

1

Recruitment center

Name of recruitment center
Shahrecord Hajar Hospital

Full name of responsible person
Manijeh Sereshti

Street address
Shahrecord-Nurse Street-Shahrecord Hajar Hospital

City
Shahrecord

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Shahrecord University of Medical Sciences and Health Services

Full name of responsible person
Manije Sereshti

Street address
Vice Chancellor for Research, Shahrecord University of Medical Sciences and Health Services, Kashani Street, Shahrecord

City
Shahrecord

Grant name

Grant code / Reference number

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

Title of funding source
Shahrecord University of Medical Sciences and Health Services

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
Shahrecord University of Medical Sciences and Health Services

Full name of responsible person
Manijeh Sereshti

Position
Faculty member/ Midwifery Msc

Other areas of specialty/work

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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