

Clinical Trial Protocol

Iranian Registry of Clinical Trials

08 Jul 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 and 10th 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

m_sereshti@skums.ac.ir

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

before pain measurement, immunosuppressive 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