

# 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**

**Street address**

Midwifery department, Nursing and Midwifery Faculty, Shahrecord University of Medical Sciences and Health Services, Rahmateah, Shahrecord

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**Contact**

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Shahrecord University of Medical Sciences and Health

Services

**Full name of responsible person**

Manijeh Sereshti

**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*