

Clinical Trial Protocol

Iranian Registry of Clinical Trials

13 Jun 2026

A comparative study of suturless circumcision and conventional circumcision with suture

Protocol summary

Summary

This study is a single blind, randomized clinical trial. The purpose of this study is comparison between complications of conventional surgical circumcision without sutures and with sutures in children referred to Imam Reza hospital of Kermanshah. 100 patients were randomized into two groups, circumcision Procedure without stitches and conventional. Inclusion criteria is all children referred for circumcision to Imam Reza hospital. The group operates without using sutures, after removing the foreskin and mucosal cuff, after sufficient hemostasis operation completed. In group with suture by using absorbable string, foreskin and mucosal cuff approximate. Patients in both groups will be followed for first week and first month, and will examine the effects of bleeding and infection. Data from the two groups will be compared in the study.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013020512368N1**

Registration date: **2013-06-18, 1392/03/28**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2013-06-18, 1392/03/28

Registrant information

Name

Ardalan Solimani

Name of organization / entity

Kermanshah University of Medical Sciences

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Kermanshah University of Medical Sciences

Expected recruitment start date

2011-03-21, 1390/01/01

Expected recruitment end date

2012-03-20, 1391/01/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

A comparative study of suturless circumcision and conventional circumcision with suture

Public title

comparison between two methods of circumcision

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Children referred for circumcision to Imam Reza Hospital. Exclusion criteria: Children whose parents did not consent to circumcision procedure without suture.

Age

To **12 years** old

Gender

Male

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 Kermanshah University of
Medical Sciences

Street address

Vice Chancellor for research, Kermansha University of
Medical Sciences, Shahid Beheshti Blvd, Kermanshah

City

Kermanshah

Postal code

Approval date

2012-08-08, 1391/05/18

Ethics committee reference number

7/420/19129/پ

Health conditions studied

1

Description of health condition studied

Circumcision

ICD-10 code

Z41.2

ICD-10 code description

Routine and ritual circumcision

Primary outcomes

1

Description

bleeding

Timepoint

One week and one month after surgery

Method of measurement

Surgeon diagnosis

2

Description

Infection

Timepoint

One week and one month after surgery

Method of measurement

Surgeon diagnosis

3

Description

Inflammation

Timepoint

One week and one month after surgery

Method of measurement

Surgeon diagnosis

Secondary outcomes

empty

Intervention groups

1

Description

In circumcision surgery without sutures, the string is not
used to repair.

Category

Treatment - Surgery

2

Description

In conventional surgical technique, Absorbable suture to
approximate the foreskin and mucosal cuff is used.

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Reza hospital of Kermanshah

Full name of responsible person

Ardalan Solimani

Street address

Imam Reza hospital, Parastar Blvd, Kermanshah

City

Kermanshah

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor for research, Kermanshah University
of Meical Sciences

Full name of responsible person

Farid Najafi

Street address

Vice Chancellor for research, Kermanshah University of Medical Sciences, Shahid Beheshti Blvd, Kermanshah University of Medical Sciences

City

Kermanshah

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Vice Chancellor for research, Kermanshah University of Medical Sciences

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**

Kermanshah University of Medical Sciences

Full name of responsible person

Ardalan Solimani

Position

Resident of General Surgery

Other areas of specialty/work**Street address**

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Web page address**Person responsible for scientific inquiries****Contact****Name of organization / entity**

Kermanshah University of Medical Sciences

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Omid Amanollahi

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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*