

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jul 2026

Comparison of wound healing and complications of absorbable subcuticular suturing with steri-strips method with interrupted suturing method in uncomplicated appendicitis wound.

Protocol summary

Summary

Introduction: Appendectomy is the most common surgical emergenc worldwide. Approximately 7% of all people undergone appendectomy for acute appendicitis in their lifetime, and therefore improving aesthetic results of scar without increasing complications was always at the point of attension. The aim of this study was to campare the wound healing and complications of absorbable subcuticular suturing with steri-strips and interrupted suturing in uncomplicated appendicitis.

Methods: This study was designed az a randomized controlled clinical trial in Beasat hospital of Hamedan and performed over a period of 8 months,on patients which were candidated for emergent appendectomy and had non complicated appendicitis. 70 patients were randomly divided into two groups. 35 cases were under gone appendectomy and wound repair with absorbable subcuticular suturing and steri-strips. The other group was repaired with non absorbable interrupted suturing.Groups were flowed up among 3 months and infection and wound abcsess rate, wound dehiscence, scar width, Patient satisfaction of scar and VAS of pain were compared in two groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013040812948N1**
Registration date: **2013-05-29, 1392/03/08**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2013-05-29, 1392/03/08

Registrant information

Name

Ali Moin Lashkajani

Name of organization / entity

Hamedan University of Medical Science

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Recruitment status

Recruitment complete

Funding source

Hamedan University of Medical Science

Expected recruitment start date

2012-10-22, 1391/08/01

Expected recruitment end date

2013-06-22, 1392/04/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of wound healing and complications of absorbable subcuticular suturing with steri-strips method with interrupted suturing method in uncomplicated appendicitis wound.

Public title

Comparison of wound healing and complications of absorbable subcuticular suturing with steri-strips method with interrupted suturing method in uncomplicated appendicitis wound.

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: All patients which candidate for appendectomy, and were entered in study after being informed about the study and receiving Informed consent. Exclusion criteria: perforated appendicitis, Gangrenous appendicitis, phlegmon of appendicitis, underlying disease such as diabetes.acquired or primary immunosuppression, difficulty in following patients

Age

No age limit

Gender

Both

Phase

4

Groups that have been masked

No information

Sample size

Target sample size: **70**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Hamedan University of Medical Science

Street address

Hamedan University of Medical Science, Medicine Faculty

City

Hamedan

Postal code

Approval date

2012-10-20, 1391/07/29

Ethics committee reference number

16/35/9/2558/د/پ

Health conditions studied

1

Description of health condition studied

Acute appendicitis

ICD-10 code

K35

ICD-10 code description

Acute appendicitis

Primary outcomes

1

Description

surgical site infection

Timepoint

at admission, one week, one months, 3 months later

Method of measurement

physical examination

2

Description

wound dehiscence

Timepoint

at admission, one week, one months, 3 months later

Method of measurement

physical examination

3

Description

scar width

Timepoint

3 months later

Method of measurement

millimeter

4

Description

abcess of wound site

Timepoint

at admission, one week, one months, 3 months later

Method of measurement

physical examination

Secondary outcomes

1

Description

patient satisfaction

Timepoint

at addmision, one month and 3 month later

Method of measurement

nominal scale

Intervention groups

1

Description

Intervention group: absorbable subcuticular suturing with steri-strips in uncomplicated appendicitis.

Category

Treatment - Surgery

2

Description

Control group: interrupted suturing in wound of uncomplicated appendicitis.

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center

Besaat hospital

Full name of responsible person

Dr. Ali Moein Lashkajani

Street address

Resaalat Sq, Hamadan, Iran

City

Hamedan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Hamedan University of Medical Science

Full name of responsible person

Research deputy

Street address

Hamedan University of Medical Science, shahid fahmideh st, Hamadan, Iran

City

Hamedan

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Hamedan University of Medical Science

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

Hamedan University of Medical Science

Full name of responsible person

Ali Moein Lashkajani

Position

Resident of general surgery

Other areas of specialty/work

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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