

# 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

##### Country

Iran (Islamic Republic of)

##### Phone

+98 81 1827 6293

##### Email address

ali.moein@umsha.ac.ir

#### 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

### Street address

Besaat hospital, resalat sq, hamadan, iran

### City

Hamedan

### Postal code

### Phone

+98 912 297 7591

### Fax

### Email

ali.moein@umsha.ac.ir

### Web page address

## Person responsible for scientific 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

#### Street address

Beesat hospital, resalat sq, hamadam, iran

#### City

Hamedan

#### Postal code

#### Phone

+98 912 297 7591

#### Fax

#### Email

dralimoein@yahoo.com

#### Web page address

## Person responsible for updating data

### Contact

#### Name of organization / entity

Hamedan University of Medical Science

#### Full name of responsible person

Nazila Hasanzadeh

#### Position

Resident of general surgery

#### Other areas of specialty/work

#### Street address

Besaat hospital, resalat sq, hamadan, iran

#### City

Hamedan

#### Postal code

#### Phone

+98 914 401 1305

#### Fax

#### Email

nannaz2002@yahoo.com

#### 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*