

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

Comparison of appendectomy through right abdominal crural crease approach versus standard method in patients with acute appendicitis without complication: a randomized clinical trial

Protocol summary

Summary

Objectives: Comparison of appendectomy through right abdominal crural crease approach versus standard method. Design: a randomized clinical trial. Setting and conduct: The eligible patients with acute appendicitis without complication who will refer to Besat Hospital during the study period will be enrolled into the trial. Inclusion criteria: Acute appendicitis without complication Exclusion criteria: (a) Disseminated peritonitis; (b) appendix variation toward sub hepatic area; (c) indication of laparotomy. Intervention group: Appendectomy through right abdominal crural crease approach. Control group: Appendectomy through standard method. Primary outcome: Measuring surgical scar 10 days after surgery using a ruler. Secondary outcome: assessing infection at the surgical location 10 days after surgery through physical examination. Randomization: The patients will be randomly assigned to intervention and control groups using drawing a lot. Blinding: Not possible.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201606209014N102**

Registration date: **2016-06-23, 1395/04/03**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2016-06-23, 1395/04/03

Registrant information

Name

Jalal Poorolajal

Name of organization / entity

Department of Epidemiology & Biostatistics Hamadan University of Medical Sciences

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Vice-chancellor for Research the Technology, Hamadan University of Medical Sciences

Expected recruitment start date

2013-04-10, 1392/01/21

Expected recruitment end date

2014-04-10, 1393/01/21

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of appendectomy through right abdominal crural crease approach versus standard method in patients with acute appendicitis without complication: a randomized clinical trial

Public title

Comparison of appendectomy through right abdominal crural crease approach versus standard method in patients with acute appendicitis without complication

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Acute appendicitis without complication
Exclusion criteria: (a) Disseminated peritonitis; (b) appendix variation toward sub hepatic area; (c) indication of laparotomy.

Age

No age limit

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: **100**

Randomization (investigator's opinion)

Randomized

Randomization description**Blinding (investigator's opinion)**

Not blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features

Randomization: The patients will be randomly assigned to intervention and control groups using drawing a lot.

Blinding: Not possible.

Secondary Ids

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethics Committee of Hamadan University of Medical Sciences

Street address

Vice-chancellor for Research the Technology,
Hamadan University of Medical Sciences, Shahid Fahmideh Ave

City

Hamadan

Postal code

6517838695

Approval date

2014-01-13, 1392/10/23

Ethics committee reference number

D/P/16/35/9/3570

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**

Measuring surgical scar

Timepoint

10 days after surgery

Method of measurement

using a ruler

Secondary outcomes**1****Description**

Assessing infection at the surgical location

Timepoint

10 days after surgery

Method of measurement

through physical examination

Intervention groups**1****Description**

Appendectomy through right abdominal crural crease approach

Category

Treatment - Surgery

2**Description**

Appendectomy through standard method

Category

Treatment - Surgery

Recruitment centers**1****Recruitment center****Name of recruitment center**

Besat Hospital

Full name of responsible person

Dr Alireza Nemati Motehaver

Street address

Besat Hospital, Shahed Square

City

Hamadan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice-chancellor for Research the Technology,
Hamadan University of Medical Sciences

Full name of responsible person

Dr Saeid Bashirian

Street address

Hamadan University of Medical Sciences, Shahid
Fahmideh Ave

City

Hamadan

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 the Technology, Hamadan
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**

Besat Hospital

Full name of responsible person

Dr Alireza Nemati Motehaver

Position

Resident of sugery

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

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Person responsible for scientific inquiries

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Position

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Department of Epidemiology

Full name of responsible person

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Position

Associate Professor

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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