

Clinical Trial Protocol

Iranian Registry of Clinical Trials

04 Jul 2026

Evaluation of the effect of Peritoneal repair or non-repair on Complications after Open Appendectomy

Protocol summary

Study aim

Evaluation of the effect of peritoneal repair or non-repair on complications after open appendectomy

Design

Randomized specific study of intervention and control groups, blinded, parallel, supportive

Settings and conduct

candidates for surgery are randomly assigned to open appendectomy with two methods of repair and non-repair of peritoneum, followed by a telephone call and invitation to visit in person. Patients are visited at the specified time and are clinically examined for local postoperative complications, and the information about each of these complications is recorded and analyzed separately. If any of the complications that endanger the patient's condition are confirmed, the patient will be re-hospitalized

Participants/Inclusion and exclusion criteria

Patients with diagnosis of appendicitis and candidate for open appendectomy

Intervention groups

Perform open appendectomy with two methods of repair and non-repair of peritoneum

Main outcome variables

Severity of complications ,Incidence of complications

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20200207046408N2**

Registration date: **2021-03-03, 1399/12/13**

Registration timing: **retrospective**

Last update: **2021-03-03, 1399/12/13**

Update count: **0**

Registration date

2021-03-03, 1399/12/13

Registrant information

Name

Reza Hosseinpour

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 74 3322 1813

Email address

reza.hosseinpour@yums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-03-20, 1397/12/29

Expected recruitment end date

2020-02-19, 1398/11/30

Actual recruitment start date

2019-03-21, 1398/01/01

Actual recruitment end date

2019-07-21, 1398/04/30

Trial completion date

2020-01-10, 1398/10/20

Scientific title

Evaluation of the effect of Peritoneal repair or non-repair on Complications after Open Appendectomy

Public title

Evaluation of the effect of Peritoneal repair or non-repair on Complications after Open Appendectomy

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria:

En Patients Candidate for open Appendectomy

Exclusion criteria:

Patients with a diagnosis other than appendicitis Patients

with a diagnosis of appendicitis are candidates for medical treatment

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **128**

Actual sample size reached: **128**

Randomization (investigator's opinion)

Randomized

Randomization description

Simple, individual randomization, random number table randomization Random number table is a set of numbers that are generated without a specific pattern or order and in a completely random manner and become a table. In order to use the table of random numbers, we first predetermined the table to read the numbers, then we considered the numbers for different groups, then we touched one of the numbers and moved in one of the predefined directions and recorded the numbers and We assigned to different groups.

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

کمیته اخلاق دانشگاه علوم پزشکی یاسوج

Street address

Shahid Beheshti Hospital, Montazeri St, Yasuj,
Kohgiluyeh and Boyer-Ahmad Province

City

Yasuj

Province

Kohgiluyeh-va-Boyerahmad

Postal code

7591794857

Approval date

2020-03-10, 1398/12/20

Ethics committee reference number

IR.YUMS.REC.1398.164

Health conditions studied

1

Description of health condition studied

Appendicitis

ICD-10 code

K35.80

ICD-10 code description

Unspecified acute appendicitis

Primary outcomes

1

Description

Relative frequency of hernia, relative frequency of operation site pain; Relative frequency of postoperative wound infection; Relative frequency of obstruction symptoms

Timepoint

One week, three months and six months after surgery

Method of measurement

Depending on the severity of the symptoms:
asymptomatic, mild, moderate, severe

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Peritoneal repair in 64 patients and postoperative visit three times

Category

Treatment - Surgery

2

Description

Control group: Non-peritoneal repair in 64 patients and postoperative visit three times

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center

Yasuj Shahid Beheshti Hospital

Full name of responsible person

Chamran Zakarya Nezhad Kasgary

Street address

Shahid Beheshti Hospital, Montazeri St, yasuj,
Kohgiluyeh and Boyer-Ahmad Province

City

yasuj

Province

Kohgiluyeh-va-Boyerahmad

Postal code

7591794857

Phone

+98 74 3322 1814

Fax**Email**

dr.mehdi.b.65@gmail.com

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Yasouj University of Medical Sciences

Full name of responsible person

Dr. Yazdan Panah

Street addressShahid Beheshti Hospital, Montazeri St, yasuj,
Kohgiluyeh and Boyer-Ahmad Province**City**

yasuj

Province

Kohgiluyeh-va-Boyerahmad

Postal code

7591794857

Phone

+98 74 3322 1813

Email

dr.mehdi.b.65@gmail.com

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

Yes

Title of funding source

Yasouj University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding*empty***Country of origin****Type of organization providing the funding**

Academic

Person responsible for general inquiries**Contact****Name of organization / entity**

Yasouj University of Medical Sciences

Full name of responsible person

Chamran Zakarya Nezhad Kasgary

Position

Resident

Latest degree

Specialist

Other areas of specialty/work

General Surgery

Street addressShahid Beheshti Hospital, Montazeri St, yasuj,
Kohgiluyeh and Boyer-Ahmad Province**City**

yasuj

Province

Kohgiluyeh-va-Boyerahmad

Postal code

7591794857

Phone

+98 74 3322 1813

Email

dr.mehdi.b.65@gmail.com

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

Yasouj University of Medical Sciences

Full name of responsible person

Reza Hosseinpour

Position

Associate professo

Latest degree

Specialist

Other areas of specialty/work

General Surgery

Street addressShahid Beheshti Hospital, Montazeri St, yasuj,
Kohgiluyeh and Boyer-Ahmad Province**City**

Yasuj

Province

Kohgiluyeh-va-Boyerahmad

Postal code

7591794857

Phone

+98 74 3322 1813

Fax

+98 74 3322 4722

Email

reza.hosseinpour@yums.ac.ir

Person responsible for updating data**Contact****Name of organization / entity**

Yasouj University of Medical Sciences

Full name of responsible person

Chamran Zakarya Nezhad Kasgary

Position

Resident

Latest degree

Specialist

Other areas of specialty/work

General Surgery

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City

yasuj

Province

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Postal code

7591794857

Phone

+98 74 3322 1813

Email

dr.mehdi.b.65@gmail.com

Sharing plan**Deidentified Individual Participant Data Set (IPD)**

Undecided - It is not yet known if there will be a plan to make this available

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available