

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Effect of hyoscine on severity of pain, tenderness and rebound tenderness in patients candidate for appendectomy

Protocol summary

Summary

This interventional study (before-after) was conducted on 70 patients who were candidates for appendicitis surgery and referred to Shahid Sadoughi and Farokhi hospitals, Yazd, Iran. The patients were selected in a non random manner. No placebo group was considered since there was no expectation to reduce the pain without analgesics. Inclusion criteria of the current study were as follows: taking any psychiatric medicine, lesions on the abdominal surface such as cellulite, scars, taking analgesic drugs before entering the emergency room, hiatal hernia, history of kidney stones, current urinary infection, history of trauma on the area during last 2 weeks, menstrual bleeding, drug addiction. Sensitivity to drug was considered as exclusion criterion. First demographic information such as age and sex was obtained. To establish appendicitis diagnosis of surgery candidates, patients' rebound tenderness and pain were evaluated using numeric rating scale. Then 0.3 mg /kg of hyoscine was administered intravenously. Using the previous method, rebound tenderness and pain were remeasured fifteen minutes later. Regarding the possibility of negative appendectomy or other diagnoses, 70 patients diagnosed with appendicitis by pathologist were underwent further investigation.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015111825123N1**

Registration date: **2016-12-08, 1395/09/18**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2016-12-08, 1395/09/18

Registrant information

Name

vahide salimi

Name of organization / entity

Shahid Sadoughi University of Medical Sciences and Health Services

Country

Iran (Islamic Republic of)

Phone

+98 913 354 9734

Email address

vahidesalimi@ssu.ac.ir

Recruitment status

Recruitment complete

Funding source

Yazd Shahid Sadoughi university of medical sciences

Expected recruitment start date

2015-03-21, 1394/01/01

Expected recruitment end date

2015-11-22, 1394/09/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of hyoscine on severity of pain, tenderness and rebound tenderness in patients candidate for appendectomy

Public title

Effect of hyoscine on severity of pain, tenderness and rebound tenderness in patients candidate for appendectomy

Purpose

Supportive

Inclusion/Exclusion criteria

exclusion criteria: other medical problems; psychological

problems; painful lesion; analgesic using; umbilical hernia; History of kidney stones; UTI; addiction; trauma during past 2 weeks; reaction to drug inclusion criteria:15-45 year olds; candidate for appendectomy

Age

From **15 years** old to **45 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **70**

Randomization (investigator's opinion)

N/A

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Single

Other design features

This interventional study (before-after) was conducted on 70 patients who were candidates for appendicitis surgery and referred to Shahid Sadoughi and Farokhi hospitals, Yazd, Iran. The patients were selected in a non random manner. No placebo group was considered since there was no expectation to reduce the pain without analgesics. Inclusion criteria of the current study were as follows: taking any psychiatric medicine, lesions on the abdominal surface such as cellulite, scars, taking analgesic drugs before entering the emergency room, hiatal hernia, history of kidney stones, current urinary infection, history of trauma on the area during last 2 weeks, menstrual bleeding, drug addiction. Sensitivity to drug was considered as exclusion criterion. First demographic information such as age and sex was obtained. To establish appendicitis diagnosis of surgery candidates, patients' rebound tenderness and pain were evaluated using numeric rating scale. Then 0.3 mg /kg of hyoscine was administered intravenously. Using the previous method, rebound tenderness and pain were remeasured fifteen minutes later. Regarding the possibility of negative appendectomy or other diagnoses, 70 patients diagnosed with appendicitis by pathologist were underwent further investigation.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethic committee of Shahid Sadoughi university of medical sciences

Street address

Shahid Sadoughi hospital, Alem Sq, Yazd

City

Yazd

Postal code

Approval date

2015-02-20, 1393/12/01

Ethics committee reference number

IR.SSU.MEDICIN.REC.1393.120

Health conditions studied

1

Description of health condition studied

Pain in appendicitis

ICD-10 code

K35-K38

ICD-10 code description

Diseases of appendix

Primary outcomes

1

Description

pain

Timepoint

before and after hyoscine

Method of measurement

Visual analogue scale

Secondary outcomes

1

Description

tenderness

Timepoint

before and after hyoscine

Method of measurement

verbal- scoring 1-10

2

Description

rebound tenderness

Timepoint

before and after

Method of measurement

verbal- scoring 1-10

Intervention groups

1

Description

0.3 mg /kg of hyoscine (Matin co- Tehran pharmacology) was administered intravenously. Using the previous method, rebound tenderness and pain were measured fifteen minutes later.

Category
Treatment - Drugs

Type of organization providing the funding
empty

Recruitment centers

1

Recruitment center

Name of recruitment center
Shahid sadoughi hospital
Full name of responsible person
Vahide Salimi
Street address
Shahid Sdoughi hospital, Alem Sq, Yazd
City
Yazd

2

Recruitment center

Name of recruitment center
Shahid Rahnamun hospital
Full name of responsible person
Vahide Salimi
Street address
Shahid Rahnamun hospital, Farrokhu Street, Yazd.
City
Yazd

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Vice chancellor for research Shahid Sadoughi
University of medical sciences
Full name of responsible person
Vice chancellor for research Shahid Sadoughi
University of medical sciences
Street address
Vice chancellor for research Shahid Sadoughi
University of medical sciences, Ba Honar sq, Yazd
City
Yazd

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 Shahid Sadoughi 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

Person responsible for general inquiries

Contact

Name of organization / entity
Shahid Sadoughi University of Medical Sciences and
Health Services
Full name of responsible person
vahide salimi
Position
residency of emergency medicine
Other areas of specialty/work
Street address
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Person responsible for scientific inquiries

Contact

Name of organization / entity
Shahid Sadoughi University of Medical Sciences and
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Full name of responsible person
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Position
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Person responsible for updating data

Contact

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Shahid Sdoughi hospital
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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