

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

Efficacy of Aloevera cream on reducing pain and wound healing after hemorrhoidectomy

Protocol summary

Summary

This is a double blinded placebo controlled clinical trial. 60 20-70 year old patients who had grade III or IV of hemorrhoid and had been operated (open hemorrhoidectomy) in Imam-Khomeini or Buali-Sina hospital of Sari were randomly divided into two groups. Patients in intervention group received Aloe Vera and controls received placebo cream. Exclusion criteria were grade I and II of hemorrhoid, other anorectal diseases, addiction to alcohol or opium, pregnancy, cirrhosis and sensitivity to Aloe Vera. Immediately after operation a gas immersed in Aloe Vera or placebo inserted on operation site. Twelve hours after surgery three grams of cream was inserted in anus area by the patient and then they repeated this method three times a day for two weeks. Patients were visited in five time points (12, 24, and 48 hours and 2, and 4 weeks after operation). The pain after operation and pain after defecation were measured using visual analogue scale. Wound healing and bleeding were also recorded in special forms as secondary outcome measures.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138711131627N1**

Registration date: **2009-05-23, 1388/03/02**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2009-05-23, 1388/03/02

Registrant information

Name

Fariborz Eshghi

Name of organization / entity

Mazandaran University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 15 1226 2033

Email address

feshghy@mazums.ac.ir

Recruitment status

Recruitment complete

Funding source

Mazandaran University of Medical Sciences and Health services

Expected recruitment start date

2008-12-30, 1387/10/10

Expected recruitment end date

2009-03-30, 1388/01/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Efficacy of Aloevera cream on reducing pain and wound healing after hemorrhoidectomy

Public title

Efficacy of Aloevera cream on reducing pain after surgery of removal of hemorrhoid

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: hemorrhoid grade III,IV, age 20-70 years, Exclusion criteria: Presence of anal fissure, Presence of any hemorrhoid or other anorectal diseases, substance abuse or alcohol consumption, pregnancy, presence of cirrhosis, hypersensitivity to Aloe Vera or any other drug.

Age

From **20 years** old to **70 years** old

Gender

Both

Phase

1

Groups that have been masked

No information

Sample size

Target sample size: **60**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Mazandaran University of Medical Sciences

Street address

Mazandaran University of Medical Sciences, Imam
Square

City

Sari

Postal code

4815733971

Approval date

2009-01-05, 1387/10/16

Ethics committee reference number

122-87

Health conditions studied

1

Description of health condition studied

Haemorrhoid grade III,IV

ICD-10 code

I84.1

ICD-10 code description

Internal haemorrhoids with other complications

Primary outcomes

1

Description

local pain

Timepoint

Immediately, 12, 24, 48 hours, 2 and 4 weeks after surgery

Method of measurement

VAS

2

Description

pain after defecation

Timepoint

Before surgery and 24, 48 hours, 2 and 4 weeks after surgery

Method of measurement

VAS

Secondary outcomes

1

Description

bleeding after surgery

Timepoint

before surgery and 48 hours, 2 and 4 weeks after surgery

Method of measurement

obsevation and asking patient

2

Description

wound healing after surgery

Timepoint

2 and 4 weeks after surgery

Method of measurement

obsevation

Intervention groups

1

Description

Three grams of Aloe Vera on lesion of rectum immediately and twelve hours after surgery by researcher then patients used Aloe Vera three times a day for 14 days

Category

Treatment - Drugs

2

Description

Three grams of placebo cream on lesion of rectum immediately and twelve hours after surgery by researcher then patients used placebo three times a day for 14 days

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam-khomeini hospital

Full name of responsible person

Fariborz Eshghi

Street address

Imam-Khomeini hospital, Razi St.

City

Sari

2

Recruitment center

Name of recruitment center

Bouali Sina hospital

Full name of responsible person

Fariborz Eshghi

Street address

Bouali Sina hospital, pasdaran Boulevard, Imam Square

City

Sari

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Mazandaran University of Medical Sciences and Health Services

Full name of responsible person

Fariborz Eshghi

Street address

Mazandaran University of Medical Sciences, Imam square

City

Sari

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

Yes

Title of funding source

Mazandaran University of Medical Sciences and Health Services

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

Mazandaran University of Medical Sciences and Health services

Full name of responsible person

Motahareh Kheradmand

Position

MS on Nursing

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

Moallem square, Sari, Mazandaran

City

Sari

Postal code**Phone**

+98 15132612458

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elhamkheradmand2003@yahoo.comkheradmand@mazums.ac.ir

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Mazandaran University of Medical Sciences and Health Services

Full name of responsible person

Fariborz Eshghi

Position

General surgeon

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

General surgery department, Imam khomayni hospital, Razi St.

City

Sari

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fariborzeshghi404@msn.comfari25764@yahoo.com

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Mazandaran University of Medical Sciences and Health Services

Full name of responsible person

Sina Noruzi

Position

Student of Medicine

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

Sari

Postal code
Phone
Fax
Email
sinanorouzi@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