Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 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 hemorrhoied, 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 Sqare
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
Faribirz Eshghi

Street address
Buali Sina hospital, pasdaran Boulevard, Imam Sqare

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

Fax

Email
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

Postal code

Phone

Fax

Email
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