Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 2026

Comparison of the efficacy of egg yolk with nitroglycerin ointment in treatment of acute anal fissure.

Protocol summary

Summary

In this study, egg yolk enema was compared to nitroglycerin ointment in treatment of acute anal fissure. Patients with acute anal pain and rectorrhagia diagnosed by a gastroenterologist as an acute fissure without any underlying diseases who passed the eligible criteria, after the relief of symptoms and definitive diagnosis by doing colonoscopy and filling the testimonial were randomly divided into 2 groups. The study was a double blind clinical trial. The patients and the statistical analyst were unaware of the two groups. For the first group nitroglycerin ointment (0.2%) and for second group one egg yolk enema was administered. Then the severity of bleeding and pain were reviewed every two days until ten days. The results were recorded in research questionnaires and they were analyzed.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015050718915N3**
Registration date: **2015-06-12, 1394/03/22**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2015-06-12, 1394/03/22

Registrant information

Name
Mousalreza Hosseini
Name of organization / entity
Mashhad University Of Medical Sciences
Country
Iran (Islamic Republic of)
Phone
+98 80 1274 2513
Email address
hoseinimr@mums.ac.ir

Recruitment status

Recruitment complete

Funding source

Mashad University of Medical Sciences

Expected recruitment start date

2014-06-22, 1393/04/01

Expected recruitment end date

2015-06-22, 1394/04/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the efficacy of egg yolk with nitroglycerin ointment in treatment of acute anal fissure.

Public title

The effect of egg yolk in treatment of acute anal fissure.

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Patients with acute anal pain with or without rectorrhagia diagnosed by a gastroenterologist as an acute anal fissure. Exclusion criteria: Patients with underlying diseases (crohn disease, hemorrhoid)

Age

From **16 years** old to **60 years** old

Gender

Both

Phase

3

Groups that have been masked

No information

Sample size
Target sample size: **121**
Randomization (investigator's opinion)
Randomized
Randomization description
Blinding (investigator's opinion)
Double blinded
Blinding description
Placebo
Not used
Assignment
Parallel
Other design features
The patients and the statistical analyst were unaware of the two groups.

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Ethics committee of Mashad University Of Medical Sciences
Street address
Goreyshi Building, Daneshgah Street, Mashad University Of Medical Sciences
City
Mashhad
Postal code
Approval date
2014-05-27, 1393/03/06
Ethics committee reference number
87898

Health conditions studied

1

Description of health condition studied
Acute anal fissure
ICD-10 code
K60.0
ICD-10 code description
Fissure and fistula of anal and rectal regions

Primary outcomes

1

Description
The effect of egg yolk in treatment of acute anal fissure.
Timepoint
The severity of bleeding and pain were reviewed every two days until ten days.
Method of measurement
Through research questionnaire

Secondary outcomes

empty

Intervention groups

1

Description
The second group has received one egg yolk enema.
Category
Treatment - Other

2

Description
The first group has received nitroglycerin ointment (0.2%)
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Ghaem Hospital
Full name of responsible person
Mousalreza Hosseini
Street address
Internal Department, Ghaem Hospital, Ahmadabad Street
City
Mashhad

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Chancellor for research, Mashad University of Medical Sciences Vice
Full name of responsible person
Dr. Mohsen Tafaghodi
Street address
Ghoreishi Biulding, Danseshgah Street, Research Vice Chanecellary, Mashhad University of Medical Sciences
City
Mashhad
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Chancellor for research, Mashad University of Medical Sciences Vice
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

Mashad University Of Medical Sciences

Full name of responsible person

Mousalreza Hosseini

Position

Assistant Professor

Other areas of specialty/work

Street address

Internal Department, Ghaem Hospital, Ahmadabad Street, Mashhad

City

Mashhad

Postal code

Phone

+98 51 3801 2742

Fax

Email

dr.hosseinimr@gmail.com

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Mashad University Of Medical Sciences

Full name of responsible person

Masoumeh Salari

Position

Assistant Professor

Other areas of specialty/work

Street address

Internal Department, Ghaem Hospital, Ahmadabad Street, Mashhad

City

Mashhad

Postal code

Phone

+98 51 3801 2742

Fax

Email

salarim@mums.ac.ir

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Mashad University Of Medical Sciences

Full name of responsible person

Masoumeh Salari

Position

Assistant Professor

Other areas of specialty/work

Street address

Internal Department, Ghaem Hospital, Ahmadabad Street, Mashhad

City

Mashhad

Postal code

Phone

+98 51 3801 2742

Fax

Email

salarim@mums.ac.ir

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