

Clinical Trial Protocol

Iranian Registry of Clinical Trials

08 Jun 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 Building, 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

Mashhad
Postal code
Phone
+98 51 3801 2742
Fax
Email
salarim@mums.ac.ir
Web page address

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.hosseini@r@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

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