

Clinical Trial Protocol

Iranian Registry of Clinical Trials

28 Jun 2026

Evaluation of Argon plasma coagulation (APC) in healing of bleeding Solitary rectal ulcer in Comparison with Conventional Therapy

Protocol summary

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Summary

Solitary rectal ulcer syndrome (SRUS) is an uncommon disorder of evacuation. Management of bleeding ulcers is usually unsatisfactory with conventional treatments. Argon plasma coagulation (APC) has been reported in case reports to control bleeding; however, it has not been shown to result in ulcer healing. The aims of study were to investigate the efficacy and safety of APC in controlling bleeding from SRUS and to study its efficacy in eventual healing of ulcers. A randomized, controlled trial of the management of 58 consecutive patients with SRUS was done in the gastroenterology unit of IMMAM Hospital. Main Outcome Measurements were Control of bleeding and endoscopic healing of SRUS.

Recruitment status

Recruitment complete

Funding source

Governmental

Expected recruitment start date

2010-10-23, 1389/08/01

Expected recruitment end date

2012-09-22, 1391/07/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201112258521N1**

Registration date: **2012-11-16, 1391/08/26**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2012-11-16, 1391/08/26

Registrant information

Name

Farzad Jassemi Zergani

Name of organization / entity

Ahvaz Jundishapur university of medical sciences

Country

Iran (Islamic Republic of)

Phone

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Email address

Scientific title

Evaluation of Argon plasma coagulation (APC) in healing of bleeding Solitary rectal ulcer in Comparison with Conventional Therapy

Public title

Effect of argon plasma coagulation in management of bleeding solitary rectal ulcers.

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: rectal ulcer that has a histologic features of SRUS witch confirmed with a pathologist.

Exclusion criteria: a rectal ulcer that did not has a histologic features of SRUS.

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 60

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ahvaz jundishapur university of medical sciences

Street address

university town

City

Ahvaz

Postal code

61357-15794

Approval date

2011-12-17, 1390/09/26

Ethics committee reference number

ETH - 307

Health conditions studied

1

Description of health condition studied

Ulcer of anus and rectum

ICD-10 code

K62.6

ICD-10 code description

Ulcer of anus and rectum

Primary outcomes

1

Description

management and healing of bleeding solitary rectal ulcers

Timepoint

every 4 weeks after stating the study-3 months after the end of last APC

Method of measurement

observing with colonoscope

Secondary outcomes

1

Description

evaluation of complications-costs and values of procedures

Timepoint

from the onset until the end of study.

Method of measurement

viewing and calculation

Intervention groups

1

Description

Treatment device intervention was related to patients that received argon plasma coagulation treatment in order to control bleeding and healing of rectal ulcers. This gas directed in focused fashion toward the lesions.

Category

Treatment - Devices

2

Description

Intervention related to control group was, use of high-fiber diets, laxative, explain and discuss about the nature of a disease and it was recommended to use the toilet

Category

Lifestyle

Recruitment centers

1

Recruitment center

Name of recruitment center

Ahvaz Immam hospital

Full name of responsible person

Dr. F. Jassemi Zergani, fellow of Gastroenterology

Street address

Ahvaz Immam hospital

City

Ahvaz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Ahvaz jundishapur university of medical sciences

Full name of responsible person

Dr. Mahammadreza Abaspor

Street address

university town, Ahvaz jundishapur university of medical sciences

City

Ahvaz

Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Ahvaz jundishapur 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
Type of organization providing the funding
empty

Person responsible for general inquiries

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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