

Clinical Trial Protocol

Iranian Registry of Clinical Trials

08 Jun 2026

Comparison of the effects of Oral charcoal capsule with Aluminum Hydroxide Syrup on pruritus in hemodialytic patients in Gorgan 5th - Azar hospital.

Protocol summary

Summary

This study will conduct to compare oral Charcoal capsule with Aluminum Hydroxide Syrup effects on hemodialytic patients' pruritus in Gorgans' 5th Azar hospital. In this crossover clinical trail, 30 hemodialytic patients will select Gorgans' 5th Azar hospital via convenience sampling method. Then the subjects randomly will allocate to two groups (n= 15 per group). Inclusion criteria consist of: at least 2 weeks history of Uremic pruritus; Having Moderate or severe pruritus {base on measurement of Pruritus scale (MPS) or Visual Analog Scale (VAS)}; At least 6 months history of hemodialysis; Tree times in week and four hours for each session. Exclusion criteria : have dermal or non dermal causer pruritus. Each group receive oral charcoal capsule (6g daily in three doses) for two weeks as well as Aluminum Hydroxide syrup (30 cc; three times per day before each meal) for the same time (4 weeks intervention for groups). After 48 hours wash out period will replace treatments in two groups cross overly. Pruritus severity will be measured by visual analog scale (VAS) and measurement of pruritus scale (MPS).

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201107317164N1**
Registration date: **2011-08-10, 1390/05/19**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2011-08-10, 1390/05/19

Registrant information

Name

Ali Abbasi

Name of organization / entity

Golestan medical Sciences university

Country

Iran (Islamic Republic of)

Phone

+98 17 1442 1664

Email address

abbasi_a@goums.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice chancellor for research of Golestan medical Sciences university

Expected recruitment start date

2007-06-12, 1386/03/22

Expected recruitment end date

2008-07-12, 1387/04/22

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the effects of Oral charcoal capsule with Aluminum Hydroxide Syrup on pruritus in hemodialytic patients in Gorgan 5th - Azar hospital.

Public title

Effect of charcoal on uremic pruritus

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: At least 2 weeks history of Uremic pruritus; Having Moderate or severe pruritus {based on

measurement of Pruritus scale (MPS) or Visual Analog Scale (VAS)); At least 6 months history of hemodialysis; Tree time hemodialysis in week and four hours for each session. exclusion criteria: Having Dermal or non Dermal Causer Pruritus

Age

No age limit

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: 30

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Crossover

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Golestan medical Sciences university ethics committee

Street address

Golestan medical sciences and health services university, Shast kola street, Gorgan

City

Gorgan

Postal code

Approval date

2007-06-12, 1386/03/22

Ethics committee reference number

129299/35

Health conditions studied

1

Description of health condition studied

Renal failure

ICD-10 code

N17-N19

ICD-10 code description

Renal failure

Primary outcomes

1

Description

Uremic pruritus

Timepoint

Pre-intervention, after 2 weeks, post-intervention

Method of measurement

Visual analog scale (VAS) and measurement of pruritus scale (MPS)

Secondary outcomes

1

Description

Laboratory parameters

Timepoint

Pre-intervention, after 2 weekes, post intervention

Method of measurement

Serum

Intervention groups

1

Description

In the second group, subjects receive Aluminum Hydroxide syrup (30 cc; three times per day before each meal), for two weeks. Wash out period is 48 hours. In the second period treatment for tow weeks, use oral activated Charcoal capsule 6gr daily in three doses.

Category

Treatment - Drugs

2

Description

In the first group, Subjects receive oral activated Charcoal capsule 6gr daily in three doses, for two weeks. Wash out period is 48 hours. second period treatment (tow weeks), continue by Aluminum Hydroxide syrup (30 cc; three times per day before each meal).

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

dialysis ward in 5 Azar hospital, Gorgan

Full name of responsible person

Mis Asyeh Khalili

Street address

5 Azar hospital, 5 Azar street, Gorgan, Iran

City

Gorgan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Golestan medical Sciences university, Vice chancellor for research

Full name of responsible person

Dr Arabi

Street address

Golestan medical sciences and health services university, Shast kola street, Gorgan

City

Gorgan

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

Yes

Title of funding source

Golestan medical Sciences university, Vice chancellor for research

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**

Golestan medical Sciences university

Full name of responsible person

Ali Abbasi

Position

Instructor & Master

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

Faculty of paramedical, Golestan medical sciences and health services university, Shast kola street, Gorgan

City

Gorgan

Postal code**Phone**

+98 17 1442 1664

Fax**Email**

abbasi_a@goums.ac.ir; abbasi_msn@yahoo.com

Web page address

Person responsible for scientific

inquiries

Contact**Name of organization / entity**

Golestan medical Sciences university

Full name of responsible person

Ali Abbasi

Position

Master in Medical-Surgical nursing

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

Faculty of paramedical, Golestan medical sciences and health services university, Shast kola street, Gorgan

City

Gorgan

Postal code**Phone**

+98 17 1442 3630

Fax**Email**

abbasi_a@goums.ac.ir; abbasi_msn@yahoo.com

Web page address

Person responsible for updating data

Contact**Name of organization / entity**

Golestan medical sciences university

Full name of responsible person

Ali Abbasi

Position

Master in Medical-Surgical nursing and member of science Golestan medical Sciences university

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

Faculty of paramedical, Golestan medical sciences and health services university, Shast kola street, Gorgan

City

Gorgan

Postal code**Phone**

+98 17 1442 3630

Fax**Email**

abbasi_a@goums.ac.ir; abbasi_msn@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