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, Gorganو 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