Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

comparison of hydrophilic extract of Alhagi maurorum and Hydrochlorothiazide in treatment of kidney and ureteral stones sized 4_10mm in patients older than 15 years old

Protocol summary

Study aim

comparison efficacy of hydrophilic extract ofAlhagi maurorum and Hydrochlorothiazide in treatment of kidney and ureteral stones (4_10mm) in Shahid Mofateh clinic of Yasuj in 2018_ 2019

Design

In this randomized clinical trial from February 2018to 2019 with simple sampling methods eighty (80) patients older than 15years old suffering from renal or ureteral stones sized 4-10 millimeter with simple sampling method allocated in one of two groups.

Settings and conduct

Patients referring to Shahid Mofateh clinic of Yasuj sized 4-10 millimeter after taking informed consent form entered the study.

Participants/Inclusion and exclusion criteria

Patients older than 15 years old with kidney and ureteral stones sized 5- 10 mm after taking informed consent form and approval of the ethics committee included in the study . Patients with severe cardiovascular and pulmonary disease, azotemia, urinary tract infection, coagulopathy, pregnant ladies and those that have i history of herbal or medicinal allergy don't enter the study.

Intervention groups

In first group one tablet of hydrochlorothiazide 25 mg will prescribed every 12 hour with one glass of water for two weeks. In the second group 1gram of extract in the form of capsule will prescribed in 2 divided doses with one glass of water every 12 hour for two weeks.

Main outcome variables

efficacy of treatment according to change in the size of stone and passage of stones by KUB and ultrasonography before and after ESWL and during taking drugs till two week after intervention

General information

Reason for update

Acronym

-

IRCT registration information

IRCT registration number: **IRCT20081011001323N14**
Registration date: **2018-03-10, 1396/12/19**
Registration timing: **registered_while_recruiting**

Last update: **2018-03-10, 1396/12/19**
Update count: **0**

Registration date

2018-03-10, 1396/12/19

Registrant information

Name
Sadrollah Mehrabi
Name of organization / entity
Country
Iran (Islamic Republic of)
Phone
+98 74 3334 6070
Email address
dr.mehrabi@yums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-02-20, 1396/12/01

Expected recruitment end date

2019-02-20, 1397/12/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title
comparison of hydrophilic extract of Alhagi maurorum and Hydrochlorothiazide in treatment of kidney and ureteral stones sized 4_10mm in patients older than 15 years old

Public title
Comparison of Alhagi maurorum and Hydrochlorothiazide in treatment of kidney and ureteral stones

Purpose
Treatment

Inclusion/Exclusion criteria

Inclusion criteria:
Age older than 15 years have renal or ureteral stones between 4-10 millimeter Have the consent to enter the study

Exclusion criteria:
Azotemia Pregnancy Presence of active urinary tract infection Allergy to medical or herbal drugs Severe cardiovascular or pulmonary disease Uncontrolled coagulopathy

Age
From **15 years** old

Gender
Both

Phase
3

Groups that have been masked
No information

Sample size
Target sample size: **80**

Randomization (investigator's opinion)
Randomized

Randomization description
Randomized allocation with simple sampling method to intervention and controlled groups

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
Ethics committee of Yasuj University of Medical Sciences

Street address
Yasuj University of Medical Sciences, Mottahari srteet, Yasuj , Iran

City
Yasuj

Province
Kohgilouyeh-va-Boyrahmad

Postal code
7591741417

Approval date
2018-02-07, 1396/11/18

Ethics committee reference number
IR.YUMS.REC.1396.178

Health conditions studied

1

Description of health condition studied
Calculus of kidney and ureter

ICD-10 code
N20.2

ICD-10 code description
Calculus of kidney and calculus of ureter

Primary outcomes

1

Description
Expulsion of renal and ureteral stones sized 5-10 milimeter

Timepoint
Two weeks after the lithotripsy and treatment

Method of measurement
KUB and Ultrasonography and report of patients

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: Capsule of Alhagi maurorum 500 miligram use with a glass of water every 12 hours for two weeks.

Category
Treatment - Drugs

2

Description
Control group: Hydrochlorothiazide Tablets 25 miligram every 12 hour with a glass of water for will used fortwo weeks.

Category
Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center
Shahid Mofateh clinic of Yasuj

Full name of responsible person
Sadrollah Mehrabi

Street address
Montazeri street, Shahid Mofateh clinic, Yasuj, Iran

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Yasuj

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Kohgilouyeh-va-Boyrahmad

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7591741414

Phone
+98 74 3322 8213

Email
dr.mehrabi@yums.ac.ir

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Yasouj University of Medical Sciences

Full name of responsible person
Hosain Oriad,Research Vice Chancellor of yuiversity

Street address
Mottahari street, Research Vice Chancellor, Yasuj University of Medical Sciences ,Yasuj, Iran

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7591741417

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+98 74 3334 6075

Email
health.epid@gmail.com

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?
Yes

Title of funding source
Yasouj University of Medical Sciences

Proportion provided by this source
100

Public or private sector
Public

Domestic or foreign origin
Domestic

Category of foreign source of funding
empty

Country of origin

Type of organization providing the funding
Academic

Person responsible for general inquiries

Contact

Name of organization / entity
Yasouj University of Medical Sciences

Full name of responsible person
Sadrollah Mehrabi

Position
professor, Fellowship of endourology and laparoscopy

Latest degree
Subspecialist

Other areas of specialty/work
Urology

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Mottahari street,Education vice chancelor, Yasuj University of Medical Sciences, , Iran

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Person responsible for updating data

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Sharing plan

Deidentified Individual Participant Data Set (IPD)
Undecided - It is not yet known if there will be a plan to make this available
Study Protocol
Undecided - It is not yet known if there will be a plan to make this available
Statistical Analysis Plan
Undecided - It is not yet known if there will be a plan to make this available
Informed Consent Form
Undecided - It is not yet known if there will be a plan to make this available
Clinical Study Report
Undecided - It is not yet known if there will be a plan to make this available
Analytic Code
Undecided - It is not yet known if there will be a plan to make this available
Data Dictionary
Undecided - It is not yet known if there will be a plan to make this available