

Clinical Trial Protocol

Iranian Registry of Clinical Trials

01 Jun 2026

Compare the effects of camel milk with Alhagi maurorum Medik. and current treatments on glomerular filtration rate in patients with chronic kidney disease

Protocol summary

Study aim

Evaluation of the effect of Camel milk with Alhagi maurorum Medik on Chronic Kidney Disease

Design

This study is a randomized clinical trial

Settings and conduct

The total number of 60 patients is taken into account that randomly will be divided into two groups: intervention and control. The control group will receive only routine treatment. The intervention group will receive 400 ml camel milk and syrup 40% of Alhagi maurorum Medik will receive 10 cc per day. The study period is three months.

Participants/Inclusion and exclusion criteria

patients with chronic kidney disease at Stage 2-4 with aged 15 to 60 years enter the study. Patients with chronic kidney disease concomitant uncontrolled diabetes or hypertension, cancer patients, patients with urinary obstruction, the fifth stage of chronic kidney disease, patients with acute infection and feverish, patients who are taking nephrotoxic drugs, patients with heart failure, liver failure, poly cystic kidney, patients who had kidney transplant are excluded.

Intervention groups

Intervention group: patients with Chronic Kidney Disease at Stage 2-4 who take commonly used medicines with camel milk and Alhagi maurorum Medik syrup. Control group: Patients with Chronic Kidney Disease at Stage 2-4 who take commonly used medicines.

Main outcome variables

glomerular filtration rate

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT2016121531427N1**

Registration date: **2017-02-25, 1395/12/07**

Registration timing: **prospective**

Last update: **2018-01-16, 1396/10/26**

Update count: **1**

Registration date

2017-02-25, 1395/12/07

Registrant information

Name

Amirparviz Tavassoli

Name of organization / entity

Mashhad University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 51 3855 2189

Email address

tavassolyap1@mums.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice Chancellor for Research and Technology Mashhad University of Medical Sciences

Expected recruitment start date

2017-03-05, 1395/12/15

Expected recruitment end date

2017-09-21, 1396/06/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Compare the effects of camel milk with Alhagi maurorum Medik. and current treatments on glomerular filtration rate in patients with chronic kidney disease

Public title

The effect of camel milk with Alhagi maurorum Medik on chronic kidney disease

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

patients with chronic kidney disease; aged 15 to 70 years

Exclusion criteria:

Patients with chronic kidney disease concomitant uncontrolled diabetes(Hb A1c less than 9 and fasting blood sugar greater than 130) Patients with uncontrolled hypertension(systolic blood pressure of 160 mm Hg and higher and diastolic blood pressure of 100 mm Hg and higher) cancer patients with urinary obstruction the fifth stage of chronic kidney disease patients with acute infection and feverish patients who are taking nephrotoxic drugs patients with heart failure liver failure poly cystic kidney pregnancy patients who had kidney transplant drug addicts

Age

From **15 years** old to **70 years** old

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: **60**

Randomization (investigator's opinion)

Randomized

Randomization description

Random number table

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Randomization will be done with table of random numbers

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Mashhad University of Medical Sciences

Street address

Vice Chancellor for Research and Technology
Mashhad University of Medical Sciences, Building
Qureshi, Daneshgah Ave.

City

Mashhad

Province

Razavi Khorasan

Postal code

9184643741

Approval date

2016-12-10, 1395/09/20

Ethics committee reference number

IR.MUMS.REC.1395.437

Health conditions studied

1

Description of health condition studied

Chronic kidney disease, stage 1

ICD-10 code

N18.1

ICD-10 code description

Kidney damage with normal or increased GFR (> 90 mL/min)

2

Description of health condition studied

Chronic kidney disease, stage 2

ICD-10 code

N18.2

ICD-10 code description

Kidney damage with mild decreased GFR (60-89 mL/min)

3

Description of health condition studied

Chronic kidney disease, stage 3

ICD-10 code

N18.3

ICD-10 code description

Kidney damage with moderately decreased GFR (30-59 mL/min)

4

Description of health condition studied

Chronic kidney disease, stage 4

ICD-10 code

N18.4

ICD-10 code description

Kidney damage with severely decreased GFR (15-29 mL/min)

Primary outcomes

1

Description

Glomerular filtration rate

Timepoint

Before the intervention, the end of intervention

Method of measurement

Cockcroft gault Formula, MDRD

Secondary outcomes**1****Description**

Hb

Timepoint

The beginning of the study, the end of the study

Method of measurement

Laboratory blood test

2**Description**

Urinary albumin

Timepoint

The beginning of the study, the end of the study

Method of measurement

Evaluation of urine

3**Description**

24 hour urine protein level

Timepoint

The beginning of the study, the end of the study

Method of measurement

24 hour urine evaluation

4**Description**

Serum alkaline phosphatase levels

Timepoint

The beginning of the study, the end of the study

Method of measurement

Laboratory blood test

5**Description**

Serum PTH level

Timepoint

The beginning of the study, the end of the study

Method of measurement

Laboratory blood test

6**Description**

Blood uric acid

Timepoint

Before the intervention, the end of intervention

Method of measurement

Laboratory blood test

7**Description**

Serum calcium

Timepoint

The beginning of the study, the end of the study

Method of measurement

Laboratory blood test

8**Description**

Serum sodium

Timepoint

The beginning of the study, the end of the study

Method of measurement

Laboratory blood test

9**Description**

Serum potassium

Timepoint

The beginning of the study, the end of the study

Method of measurement

Laboratory blood test

10**Description**

serum CRP levels

Timepoint

The beginning of the study, The end of the study

Method of measurement

Laboratory blood test

11**Description**

blood pressure

Timepoint

The beginning of the study, the end of the study

Method of measurement

By Sphygmomanometer

12**Description**

FBS

Timepoint

The beginning of the study, Middle of the study, The end of the study

Method of measurement

Laboratory blood test

13**Description**

HbA1C

Timepoint

The beginning of the study, the end of the study

Method of measurement

Laboratory blood test

14

Description

lipid profile

Timepoint

The beginning of the study, the end of the study

Method of measurement

Laboratory blood test

15

Description

Serum creatinine

Timepoint

Before the intervention, the end of intervention

Method of measurement

Evaluation of serum

Intervention groups

1

Description

The intervention group in addition to routine treatment will receive camel milk a daily dose of 400 ml for three months.

Category

Treatment - Other

2

Description

The control group will receive the routine Treatments

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Qaem Educational, Research and Treatment Center

Full name of responsible person

Ammirparviz Tavassoli

Street address

Faculty of Iranian Traditional Medicine and Complementary, Opposite the Mehran sports hall, East Razi Ave

City

Mashhad

Province

Razavi Khorasan

Postal code

9184643741

Phone

+98 51 3729 8949

Fax

+98 51 3729 8949

Email

tavassolyap1@mums.ac.ir

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor for Research and Technology
Mashhad University of Medical Sciences

Full name of responsible person

Mohsen Tafaghodi

Street address

Vice Chancellor for Research and Technology
Mashhad University of Medical Sciences, Building
Qureshi, Daneshgah Ave.

City

Vice Chancellor for Research and Technology
Mashhad University of Medical Sciences, Building
Qureshi

Province

Razavi Khorasan

Postal code

9184643741

Phone

+98 51 3729 8949

Fax

+98 51 3729 8949

Email

tavassolyap1@mums.ac.ir

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Vice Chancellor for Research and Technology Mashhad
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

Mashhad University of Medical Sciences

Full name of responsible person

Amirparviz Tavassoli

Position

PhD student of Iranian Traditional Medicine and
Complementary

Latest degree

Medical doctor

Other areas of specialty/work

Traditional Medicine

Street address

Faculty of Iranian Traditional Medicine and Complementary, Opposite the Mehran sports hall, East Razi Ave.

City

Mashhad

Province

Razavi Khorasan

Postal code

9184643741

Phone

+98 51 3855 2189

Fax

+98 51 3853 5980

Email

tavassolyap1@mums.ac.ir

Web page address**Person responsible for scientific inquiries****Contact****Name of organization / entity**

Mashhad University of Medical Sciences

Full name of responsible person

Sayyid Musa al-Reza Hosseini

Position

Assistant Professor

Latest degree

Medical doctor

Other areas of specialty/work

Traditional Medicine

Street address

Qaem Educational, Research and Treatment Center

City

Mashhad

Province

Razavi Khorasan

Postal code

9184643741

Phone

+98 51 3855 2189

Fax**Email**

HoseiniMR@mums.ac.ir

Web page address**Person responsible for updating data****Contact****Name of organization / entity**

Mashhad University of Medical Sciences

Full name of responsible person

Amirparviz tavassoli

Position

PhD student of Iranian Traditional Medicine and Complementary

Latest degree

Medical doctor

Other areas of specialty/work

Traditional Medicine

Street address

Faculty of Iranian Traditional Medicine and Complementary, Opposite the Mehran sports hall, East Razi Ave.

City

Mashhad

Province

Razavi Khorasan

Postal code

9185713111

Phone

+98 51 3855 2189

Fax**Email**

tavassolyap1@mums.ac.ir

Web page address**Sharing plan****Deidentified Individual Participant Data Set (IPD)**

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Yes - There is a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

Yes - There is a plan to make this available

Data Dictionary

Yes - There is a plan to make this available

Title and more details about the data/document

Laboratory information

When the data will become available and for how long

Six months after printing results

To whom data/document is available

Researchers working in academia and academia

Under which criteria data/document could be used

Researchers working in academia and academia

From where data/document is obtainable

tavassolyap1@mums.ac.ir

What processes are involved for a request to access data/document

2 months

Comments