Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

Comparison of the efficacy of potassium citrate and poly citra-k in children and infant with urolithiasis refer child nephrology clinic in age 31day-16years old

Protocol summary

Summary

The diagnosis and treatment of urolithiasis with no specific symptoms in children is important.All of infant and children with urolithiasis refer to Kosar clinic and after physical examination and completing the questionnare ,in absence of urinary tract infectios, random sampling was done to two groups :therapy with potassium citrate and poly citrate-k.the patients in first, third and sixth and 9th month will be tested with urine test and sonography.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016121931466N1**
Registration date: **2017-11-19, 1396/08/28**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2017-11-19, 1396/08/28

Registrant information

Name
Ladan Teymoorzadeh

Name of organization / entity
Ardebil University Of Medical Science

Country
Iran (Islamic Republic of)

Phone
+98 45 3371 6980

Email address
j.zare@arums.ac.ir

Recruitment status

Recruitment complete

Funding source

Ardabil University Of Medical Science

Expected recruitment start date

2016-01-21, 1394/11/01

Expected recruitment end date

2016-10-21, 1395/07/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the efficacy of potassium citrate and poly citra-k in children and infant with urolithiasis refer child nephrology clinic in age 31day-16years old

Public title

Comparison of the efficacy of potassium citrate and poly citra-k in children and infant with urolithiasis

Purpose

Treatment

Inclusion/Exclusion criteria

All of infant and child with urolithiasis refer to Kosar nephrology clinic enter to study. If there is urinary tract infections,anatomical disorders,kidney disease or need another drugs or another intervention during treatment they were excluded from the study.

Age

From **31 days** old to **15 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size
Target sample size: **70**
Randomization (investigator's opinion)
Randomized
Randomization description
Blinding (investigator's opinion)
Double blinded
Blinding description
Placebo
Not used
Assignment
Parallel
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Ethics committe Of Ardebil University Of Medical Science
Street address
Daneshgah Street, Ardebil
City
Ardebil
Postal code
5618985991
Approval date
2017-01-01, 1395/10/12
Ethics committee reference number
IR.ARUMS.REC.1395.123

Health conditions studied

1

Description of health condition studied
Urolithiasis
ICD-10 code
N23-N20
ICD-10 code description
Calculus of kidney with calculus of ureter

Primary outcomes

1

Description
The size of the stone
Timepoint
The first, Sixth and ninth month
Method of measurement
Sonography

Secondary outcomes

empty

Intervention groups

1

Description
Polycitrate-k.1cc per kg for 9 month
Category
Treatment - Drugs

2

Description
Potassiumcitrate.1cc per kg for 9 month
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Child Nephrology Clinic, Ardebil
Full name of responsible person
Dr Ladan Teymoorzadeh
Street address
Kosar Nephrology Clinic, Ardebil
City
Ardebil

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice chancellor for research of Ardebil University of Medical Science
Full name of responsible person
Dr.Maoud Entezari Asl
Street address
Daneshgah Street ,Ardebil
City
Ardebil
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 of Ardebil University of Medical Science
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
Ardebil University Of Medical Science
Full name of responsible person
Ladan Teymoorzadeh
Position
Resident of Pediatrics
Other areas of specialty/work
Street address
Daneshgah Street, Ardebil
City
Ardebil
Postal code
Phone
+98 45 3371 6980
Fax
Email
Ladantey@yahoo.com
Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity
Ardebil University of Medical Science
Full name of responsible person
Javad Zare Noghabi
Position
Assistan Profesor
Other areas of specialty/work
Street address
BuAli Hospital, Ardebil
City
Ardebil
Postal code
5613643197
Phone
+98 45 3325 2251
Fax
Email
J.zare@arums.ac.ir
Web page address

Person responsible for updating data

Contact

Name of organization / entity
Ardebil University Of Medical Science
Full name of responsible person
Ladan Teymoorzadeh
Position
Resident of Pediatrics
Other areas of specialty/work
Street address
Moallem Street, Ardebil
City
Ardebil
Postal code
5613643197
Phone
+98 45 3325 2251
Fax
Email
Ladantey@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