

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

03 Jul 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 questionnaire, in absence of urinary tract infections, 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

Ardabil 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 committee 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**  
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## Person responsible for scientific inquiries

### Contact

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Javad Zare Noghabi  
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Assistan Profesor  
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## Person responsible for updating data

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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