

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

27 May 2026

### Comparison of the Effect of Dopamine and Lasix Drip in Children With Oliguria.

#### Protocol summary

##### Study aim

Comparison of the Effect of Dopamine and Lasix Drip in Children With Oliguria.

##### Design

Clinical trial phase 3. children diagnosed with oliguria and approved by a specialist physician considered as the study group. In this study, 60 children who meet the inclusion criteria will be selected. Patients will be divided into two groups, with 30 children in the dopamine group and 30 children in the Lasix group nonrandomly. Accordingly, the treatment will continue with the recovery time of the oliguria, and the time and dose required to improve the patients will be recorded.

##### Settings and conduct

This study will carried out as a clinical trial at the Pediatric Clinic of Amir Kabir Hospital in Arak, Also the study will also be not blinded.

##### Participants/Inclusion and exclusion criteria

Children with oliguria and consent to participate in the study enrolled to study, also with underlying kidney disease excluded from study.

##### Intervention groups

In the first group, dopamine at a dose of 3 microgram per kg per minutes and in second group dopamine at a dose of 0.05 milligram per kg per hours until improvement of oliguria.

##### Main outcome variables

Oliguria

#### General information

##### Reason for update

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT20130518013366N12**

Registration date: **2019-11-07, 1398/08/16**

Registration timing: **prospective**

Last update: **2019-11-07, 1398/08/16**

Update count: **0**

##### Registration date

2019-11-07, 1398/08/16

##### Registrant information

###### Name

Parsa Yousefi Chaijan

###### Name of organization / entity

Arak University of Medical Sciences

###### Country

Iran (Islamic Republic of)

###### Phone

+98 86 1312 1964

###### Email address

dr.yousefi@arakmu.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

##### Expected recruitment start date

2019-11-21, 1398/08/30

##### Expected recruitment end date

2020-05-20, 1399/02/31

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Comparison of the Effect of Dopamine and Lasix Drip in Children With Oliguria.

##### Public title

Comparison Dopamine and Lasix Drip in Oliguria.

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

**Inclusion criteria:**

Children with oliguria Consent to participate in the study

**Exclusion criteria:**

Any underlying kidney disease

**Age**

To 15 years old

**Gender**

Both

**Phase**

3

**Groups that have been masked**

No information

**Sample size**

Target sample size: 60

**Randomization (investigator's opinion)**

Not randomized

**Randomization description**

**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 Arak University of Medical Sciences

**Street address**

Sardasht

**City**

Arak

**Province**

Markazi

**Postal code**

3848176941

**Approval date**

2019-08-24, 1398/06/02

**Ethics committee reference number**

IR.ARAKMU.REC.1398.165

**Health conditions studied**

1

**Description of health condition studied**

oliguria

**ICD-10 code**

R34

**ICD-10 code description**

Anuria and oliguria

**Primary outcomes**

1

**Description**

Oliguria

**Timepoint**

Before and after treatment

**Method of measurement**

check list

**Secondary outcomes**

empty

**Intervention groups**

1

**Description**

Intervention group: Dopamine at a dose of 3 microgram per kg per minutes until improvement of oliguria.

**Category**

Treatment - Drugs

2

**Description**

Intervention group: Dopamine at a dose of 0.05 milligram per kg per hours until improvement of oliguria.

**Category**

Treatment - Drugs

**Recruitment centers**

1

**Recruitment center**

**Name of recruitment center**

Department of Pediatrics, Amir Kabir Hospital

**Full name of responsible person**

Maryam Qaderidehkordi

**Street address**

3819693345, Amir Kabir Hospital, Basij Square, Arak.

**City**

Arak

**Province**

Markazi

**Postal code**

3819693345

**Phone**

+98 86 3313 5075

**Email**

Maryqadrdehkordi@yahoo.com

**Sponsors / Funding sources**

1

**Sponsor**

**Name of organization / entity**

Arak University of Medical Sciences

**Full name of responsible person**

Ali Arash Anoushirvani

**Street address**3819693345, Vice Chancellor for Research, Arak  
University of Medical Sciences, Sardasht, Arak.**City**

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**Email**

Anoushirvani@yahoo.com

**Grant name****Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

**Title of funding source**

Arak 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**

Arak University of Medical Sciences

**Full name of responsible person**

Parsa Yousefichaijan

**Position**

Associate Professor of Pediatric Nephrology

**Latest degree**

Subspecialist

**Other areas of specialty/work**

Pediatric Nephrology

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**Email**

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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