

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 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)

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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

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Province

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Email

Maryqadridehkordi@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.

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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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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