

Clinical Trial Protocol

Iranian Registry of Clinical Trials

08 Jun 2026

The effect of vitamin A in the treatment of idiopathic persistent microscopic hematuria in children 5 to 12 years old

Protocol summary

Summary

In this study the effect of Vitamin A in the treatment of idiopathic persistent microscopic hematuria in children. All patients with persistent idiopathic microscopic hematuria aged 5 to 12 years old who are enrolled in Amir Kabir Hospital, Arak, Iran. Patients were randomly divided into two groups of equal number. The first group (76 patients) take, vitamin A in a pearl of two kinds. The total duration of treatment is 14 days and the control group (76 cases) without informing the recipients of vitamin A is necessary explanations. Profile of each patient individually by the Executive are recorded in special forms. All children from 5 to 12 years with idiopathic microscopic hematuria diagnosed by the Executive have been included in this study. Patients with renal anomalies, use of other medications and cause hematuria identified during the survey are excluded.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014091013366N3**

Registration date: **2014-11-08, 1393/08/17**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2014-11-08, 1393/08/17

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

Arak University of Medical Sciences

Expected recruitment start date

2013-12-22, 1392/10/01

Expected recruitment end date

2015-06-03, 1394/03/13

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of vitamin A in the treatment of idiopathic persistent microscopic hematuria in children 5 to 12 years old

Public title

The effect of vitamin A in the treatment of idiopathic persistent microscopic hematuria in children 5 to 12 years old

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: all children aged between 5 to 12 years old with idiopathic microscopic hematuria diagnosed by the Executive consistently been the cause of hematuria was found during the survey. Exclusion criteria: all patients whose parents did not agree to participate; patients with renal anomalies; the use of certain drugs cause hematuria within 4 reviews

Age

From **5 years** old to **12 years** old

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: **152**

Randomization (investigator's opinion)

Randomized

Randomization description**Blinding (investigator's opinion)**

Single blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Arak University of Medical Science

Street address

Arak University of Medical Sciences, Elm ol Hoda

City

Arak

Postal code**Approval date**

2013-12-22, 1392/10/01

Ethics committee reference number

93-165-29

Health conditions studied**1****Description of health condition studied**

Idiopathic persistent microscopic hematuria

ICD-10 code

R31

ICD-10 code description

Unspecified haematuria

Primary outcomes**1****Description**

Urine analysis

Timepoint

3 urine test within 14 days

Method of measurement

urine

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

Urine culture - the ratio of calcium to creatinine

Timepoint

First time in 14 days

Method of measurement

Urine tests - ultrasound

Intervention groups**1****Description**

Groups Case: patients in addition to vitamin A description of the two kinds of pearl is given for 14 days

Category

Treatment - Drugs

2**Description**

Groups control : patients without vitamin A description should be given notice of the recipients.

Category

N/A

Recruitment centers**1****Recruitment center****Name of recruitment center**

Amirkabir Hospital

Full name of responsible person

Dr. Parsa Yousefi

Street address

Arak, Amirkabir Hospital

City

Arak

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Arak University of Medical Sciences

Full name of responsible person

Dr. Davood Hekmatpoo

Street address

Arak University of Medical Sciences , Elm ol Hoda st.

City

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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

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

Arak University of Medical Sciences

Full name of responsible person

Dr. Parsa Yousefi

Position

Assistant Professor of Pediatrics

Other areas of specialty/work**Street address**

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

Arak University of Medical Science

Full name of responsible person

Dr. Saeedeh Abbasi

Position

Pediatric residents

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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