

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

01 Jul 2026

### The effect of treatment of Vitamin D deficiency on mortality rate of children admitted to the intensive care unit

#### Protocol summary

##### Summary

The aim of study was determine effect treatment of vitamin D deficiency on mortality rate of children admitted to the intensive care unit of Tabriz Pediatric Hospital. From children that admitted in the intensive care unit, Venous blood samples were collected for determine serum level of 25(oh)-vitamin. Serum level of 25(oh)-vitamin determine by Elisa methods. 100 children with vitamin D deficiency selected and underwent treatment with vitamin D and from other patient's, 100 children without vitamin D deficiency enrolled as the control group. Mortality rate of patient with and without vitamin D treatment evaluated.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2013123116020N1**

Registration date: **2014-04-21, 1393/02/01**

Registration timing: **registered\_while\_recruiting**

Last update:

Update count: **0**

##### Registration date

2014-04-21, 1393/02/01

##### Registrant information

###### Name

Lida Saboktakin

###### Name of organization / entity

Tabriz University of Medical Sciences

###### Country

Iran (Islamic Republic of)

###### Phone

+98 914 410 4889

###### Email address

saboktakinl@tbzmed.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Tabriz University of Medical Sciences

##### Expected recruitment start date

2013-11-22, 1392/09/01

##### Expected recruitment end date

2014-11-22, 1393/09/01

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

The effect of treatment of Vitamin D deficiency on mortality rate of children admitted to the intensive care unit

##### Public title

The effect of treatment of Vitamin D deficiency on mortality rate of children admitted to the intensive care unit

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

Inclusion criteria: admitted in neonate intensive care unit; patients with Vitamin D deficiency. Exclusion criteria: patients who died at first 24 hour of admission or transfer to other wards; lack of parental consent to participate in the study; patients with hypocalcaemia; patients with renal stone.

##### Age

To **14 years** old

##### Gender

Both

##### Phase

N/A

##### Groups that have been masked

No information

### Sample size

Target sample size: **100**

### Randomization (investigator's opinion)

Randomized

### Randomization description

### Blinding (investigator's opinion)

Single blinded

### Blinding description

### Placebo

Used

### Assignment

Parallel

### Other design features

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

##### Name of ethics committee

Tabriz University of Medical Sciences

##### Street address

Ġholghasht street, Tabriz University of Medical Sciences

##### City

Tabriz

##### Postal code

#### Approval date

2013-11-18, 1392/08/27

#### Ethics committee reference number

5157

## Health conditions studied

### 1

#### Description of health condition studied

Vitamin D deficiency

#### ICD-10 code

E55.9

#### ICD-10 code description

Vitamin D deficiency, unspecified, Avitaminosis D

## Primary outcomes

### 1

#### Description

Hospital Mortality

#### Timepoint

Discharge time

#### Method of measurement

patients status at discharge time

## Secondary outcomes

empty

## Intervention groups

### 1

#### Description

Control group: 5 cc Normal Salin intravenously.

#### Category

Placebo

### 2

#### Description

Case Group: Ampule Vitamin D 300000 iu intramuscular

#### Category

Treatment - Drugs

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Pediatric hospital of Tabriz

##### Full name of responsible person

Dr. Lida Saboktalin

##### Street address

Pediatric hospital of Tabriz, Abbasi Street

##### City

Tabriz

## Sponsors / Funding sources

### 1

#### Sponsor

##### Name of organization / entity

Research Deputy of Tabriz University of Medical Sciences

##### Full name of responsible person

Dr Ali Meshkini

##### Street address

Faculty of Medicine, Gholghasht Street

##### City

Tabriz

#### Grant name

#### Grant code / Reference number

#### Is the source of funding the same sponsor organization/entity?

Yes

#### Title of funding source

Research Deputy of Tabriz 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

**Name of organization / entity**

Tabriz University of Medical Sciences

**Full name of responsible person**

Dr. Lida Saboktakin

**Position**

Sub Specialty of Endocrinology/ Assistant Professor

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

Pediatric Hospital of Tabriz, Abbasi Street

**City**

Tabriz

**Postal code****Phone**

+98 41 1526 2252

**Fax****Email**

saboktakinl@tbzmed.ac.ir

**Web page address**

## Person responsible for scientific inquiries

### Contact

**Name of organization / entity**

Tabriz University of Medical Sciences

**Full name of responsible person**

Dr. Lida Saboktakin

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## 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*