

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 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

Gholghasht 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

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Postal code**Phone**

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Contact

Name of organization / entity

Tabriz University of Medical Sciences

Full name of responsible person

Dr. Lida Saboktakin

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Person responsible for scientific inquiries

Contact

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Fax

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