

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

26 Jun 2026

### The effect of body position on the arterial oxygen saturation of healthy premature neonates

#### Protocol summary

##### Summary

Aim: This cross over study was conducted to determine the effect of body position on the arterial oxygen saturation of healthy premature neonates. Totally 88 healthy premature neonates which were just feeding and being prepared to discharge, randomly selected. The neonates first randomly placed in prone or supine position, and 30 min later SpO<sub>2</sub> was measured over a 30 min interval. Then, the infants turned from prone to supine or from supine to prone, and a repeat set of measurement was made.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT138905063900N2**  
Registration date: **2011-11-17, 1390/08/26**  
Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2011-11-17, 1390/08/26

##### Registrant information

##### Name

Zohre Torabi

##### Name of organization / entity

Zanjan University of Medical Sciences

##### Country

Iran (Islamic Republic of)

##### Phone

+98 24 1727 4857

##### Email address

mohamad@zums.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Zanjan University of Medical Sciences

##### Expected recruitment start date

2010-01-06, 1388/10/16

##### Expected recruitment end date

2010-11-01, 1389/08/10

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

The effect of body position on the arterial oxygen saturation of healthy premature neonates

##### Public title

The effect of body position on the arterial oxygen saturation of healthy premature neonates

##### Purpose

Other

##### Inclusion/Exclusion criteria

Inclusion criteria: Healthy premature neonates who were feeding and being prepared to discharge. Exclusion criteria: Not healthy premature neonates.

##### Age

From **1 year** old to **28 years** old

##### Gender

Both

##### Phase

N/A

##### Groups that have been masked

*No information*

##### Sample size

Target sample size: **88**

##### Randomization (investigator's opinion)

Randomized

##### Randomization description

##### Blinding (investigator's opinion)

Double blinded  
**Blinding description**  
**Placebo**  
Not used  
**Assignment**  
Crossover  
**Other design features**

## Secondary Ids

empty

## Ethics committees

### 1

**Ethics committee**  
**Name of ethics committee**  
Ethics Committee of Zanzan University of Medical Sciences  
**Street address**  
Zanzan University of Medical Sciences  
**City**  
Zanzan  
**Postal code**  
**Approval date**  
2009-06-27, 1388/04/06  
**Ethics committee reference number**  
8846

## Health conditions studied

### 1

**Description of health condition studied**  
arterial oxygen saturation of healthy premature neonates  
**ICD-10 code**  
J70  
**ICD-10 code description**  
Respiratory conditions due to other external agents

## Primary outcomes

### 1

**Description**  
SpO2  
**Timepoint**  
30 minutes  
**Method of measurement**  
puls oximetry

## Secondary outcomes

empty

## Intervention groups

### 1

**Description**  
prone position

**Category**  
Other

### 2

**Description**  
supine position  
**Category**  
Other

## Recruitment centers

### 1

**Recruitment center**  
**Name of recruitment center**  
Zanzan University of Medical Sciences  
**Full name of responsible person**  
Alireza Biglari  
**Street address**  
Zanzan University of Medical Sciences  
**City**  
Zanzan

## Sponsors / Funding sources

### 1

**Sponsor**  
**Name of organization / entity**  
Zanzan University of Medical Sciences  
**Full name of responsible person**  
Alireza Biglari  
**Street address**  
Zanzan University Of Medical Sciences  
**City**  
Zanzan  
**Grant name**  
**Grant code / Reference number**  
**Is the source of funding the same sponsor organization/entity?**  
Yes  
**Title of funding source**  
Zanzan 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**  
Zanzan University of Medical Sciences  
**Full name of responsible person**

Zohre Torabi

**Position**

Assistant prof, specialist of pediatic

**Other areas of specialty/work**

**Street address**

Mousavi hospital, Gavazng road

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**Position**

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**Other areas of specialty/work**

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**City**

**Person responsible for updating data**

**Contact**

**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*