

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

16 Sep 2026

### Effect of Prone & supine position on oxygen saturation in preterm neonates after weaning from mechanical ventilation

#### Protocol summary

##### Summary

The aim of this study was to assess the impact of prone and supine positions on arterial oxygen saturation of preterm infants weaned from mechanical ventilation in the intensive care unit. In this research, the population under study was preterm Infants admitted to the hospital who weaned from mechanical ventilation. Early diagnosis of neonates was respiratory distress syndrome and they were Dependent of oxygen. Infants were excluded if they need re intubation. Samplings were constantly and accessibly done on 40 infants. Each infant was his/her own control. The first infant position determined randomly. Then Changing position continued alternatively until the last infant. The duration of placing in each position was 3 hours. Percentage of arterial oxygen saturation in each position measured each fifteen minutes and recorded in questionnaires.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2014070518363N1**

Registration date: **2014-08-04, 1393/05/13**

Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2014-08-04, 1393/05/13

##### Registrant information

##### Name

Fatameh Askari Bagherabadi

##### Name of organization / entity

Kerman University of Medical Sciences

##### Country

Iran (Islamic Republic of)

##### Phone

+98 39 1523 8448

##### Email address

askarifatameh@yahoo.com

##### Recruitment status

**Recruitment complete**

##### Funding source

Research Council of Kerman University of Medical Sciences

##### Expected recruitment start date

2012-10-22, 1391/08/01

##### Expected recruitment end date

2013-02-18, 1391/11/30

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Effect of Prone & supine position on oxygen saturation in preterm neonates after weaning from mechanical ventilation

##### Public title

Effect of two positions on oxygen saturation in preterm neonates after weaning from mechanical ventilation in NICU

##### Purpose

Supportive

##### Inclusion/Exclusion criteria

Inclusion Criteria: gestational age less than 37 weeks:

Early diagnosis of respiratory distress syndrome:

Dependent of oxygen: chronologic age of less than 7

days: no respiratory disorder due to congenital heart

disease: no active bleeding: no neuromuscular disease

and arterial hypertension Exclusion Criteria: temperature

instability: Receiving blood and blood products: the need

for re intubation: Pneumothorax and need for Chest Tube

placement

**Age**  
From **1 day** old to **7 days** old

**Gender**  
Both

**Phase**  
N/A

**Groups that have been masked**  
*No information*

**Sample size**  
Target sample size: **40**

**Randomization (investigator's opinion)**  
Randomized

**Randomization description**

**Blinding (investigator's opinion)**  
Not 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 Kerman University of Medical Sciences

**Street address**  
Vice chancellor for research, Kerman University of Medical Sciences, Tahmasebabad Crossroads, Ibn Sina Street, Kerman

**City**  
Kerman

**Postal code**

**Approval date**  
2014-05-17, 1393/02/27

**Ethics committee reference number**  
k/93/44

## Health conditions studied

### 1

**Description of health condition studied**  
Preterm neonates who weaned from mechanical ventilation

**ICD-10 code**  
p07.3

**ICD-10 code description**  
Other preterm infants

## Primary outcomes

### 1

**Description**  
Oxygenation

**Timepoint**  
Every 15 minute

**Method of measurement**  
Pulse Oxymetry

## Secondary outcomes

empty

## Intervention groups

### 1

**Description**  
Placing neonate in prone position

**Category**  
Treatment - Other

### 2

**Description**  
Placing neonate in supine position

**Category**  
Treatment - Other

## Recruitment centers

### 1

#### Recruitment center

**Name of recruitment center**  
Afzalipoor Hospital

**Full name of responsible person**  
Fatameh Askari

**Street address**  
Afzalipoor Hospital, Kerman

**City**  
Kerman

## Sponsors / Funding sources

### 1

#### Sponsor

**Name of organization / entity**  
Vice chancellor for research, Kerman University of Medical Sciences

**Full name of responsible person**  
Dr.Abas Pardakhti

**Street address**  
Vice chancellor for research, Kerman University of Medical Sciences, Tahmasebabad Crossroads, Ibn Sina Street, Kerman

**City**  
Kerman

**Grant name**

**Grant code / Reference number**

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

Yes

**Title of funding source**

Vice chancellor for research, Kerman 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**

Kerman University of Medical Sciences

**Full name of responsible person**

Fatameh Askari bagherabadi

**Position**

Student of Master degree in Neonatal Intensive Care Nursing

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

Vice chancellor for research, Kerman University of Medical Sciences, Tahmasebabad Crossroads, Ibn Sina Street, Kerman

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

Razi Faculty of nursing and midwifery, Kerman University of Medical Sciences

**Full name of responsible person**

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**Position**

Assistant professor/Ph.D

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

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**Full name of responsible person**

Fatameh Askari bagherabadi

**Position**

Student of Master degree in Neonatal Intensive Care Nursing

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

Vice chancellor for research, Kerman University of Medical Sciences, Ibn Sina Street, Tahmasebabad Crossroads, Kerman

**City**

Kerman

**Postal code****Phone**

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**Fax****Email**

askarifatameh@yahoo.commahdi\_13581@yahoo.com

**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*