

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

18 Sep 2026

### The effect of 60 degree head up position on preventing pneumonia in mechanically ventilated intensive care unit patients

#### Protocol summary

##### Summary

Objective: to assess the effect of 60 degree head up position on preventing pneumonia in mechanically ventilated intensive care unit patients. Sixty patients aged 20 to 60 years will be randomly allocated to two groups; routine-control (45 degree head up position) and intervention (60 degree head up position). Pneumonia, respiratory rates and volumes will be recorded in a check list. Diagnosis of pneumonia will be confirmed by a specialist in intensive care unit regarding clinical and laboratory criteria.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT201106146801N1**  
Registration date: **2011-08-27, 1390/06/05**  
Registration timing: **registered\_while\_recruiting**

Last update:

Update count: **0**

##### Registration date

2011-08-27, 1390/06/05

##### Registrant information

##### Name

Hadi Hassankhani

##### Name of organization / entity

Tabriz university of medical sciences and health services

##### Country

Iran (Islamic Republic of)

##### Phone

+98 41 1479 0364

##### Email address

hassankhani@tbzmed.ac.ir

##### Recruitment status

##### Recruitment complete

##### Funding source

School of nursing and midwifery, Tabriz University of Medical Sciences

##### Expected recruitment start date

2011-06-03, 1390/03/13

##### Expected recruitment end date

2011-11-21, 1390/08/30

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

The effect of 60 degree head up position on preventing pneumonia in mechanically ventilated intensive care unit patients

##### Public title

The effect of 60 degree head up position on preventing pneumonia

##### Purpose

Prevention

##### Inclusion/Exclusion criteria

Inclusion criteria: patients between 20 and 60 years of age; Tracheal intubated under mechanical ventilation: MODE = Synchronized Intermittent Mandatory Ventilation (SIMV), Respiratory Rate (RR) = 6-12/min, Positive End-Expiratory Pressure (PEEP) = 2.5-7.5, Tidal Volume (VT) = 6-8 ml / kg, Fio2 = <50; hospitalized for 7 days; ICU admission Glasgow Coma Scale (GCS) <9; gastric feeding through a nasogastric tube, absence of fever and leukocytosis, and any infection (based on blood cultures and tracheal secretions) at the beginning of the study. Exclusion criteria: chest surgery (thoracotomy); Acute Respiratory Distress Syndrome (ARDS); Chronic Obstructive Pulmonary Disease (COPD); obesity, diabetes, cancer, contraindications to the vault

open position; patients with neck and spinal trauma.

## Age

From **20 years** old to **60 years** old

## Gender

Both

## Phase

N/A

## Groups that have been masked

*No information*

## Sample size

Target sample size: **60**

## Randomization (investigator's opinion)

Randomized

## Randomization description

## Blinding (investigator's opinion)

Not blinded

## Blinding description

## Placebo

Not used

## Assignment

Parallel

## Other design features

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

##### Name of ethics committee

Tabriz University of medical sciences and health services

##### Street address

Golgasht

##### City

Tabriz

##### Postal code

1950/4/5

##### Approval date

2011-05-22, 1390/03/01

##### Ethics committee reference number

5/4/1950

## Health conditions studied

### 1

#### Description of health condition studied

mechanically ventilated intensive care unit patient`s pneumonia

#### ICD-10 code

J18.9

#### ICD-10 code description

Pneumonia, unspecified

## Primary outcomes

### 1

#### Description

pneumonia

#### Timepoint

1 week

#### Method of measurement

clinical and lab measurments

## Secondary outcomes

empty

## Intervention groups

### 1

#### Description

head of bed elevation

#### Category

Prevention

### 2

#### Description

no intervention in control group

#### Category

N/A

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Tabriz university of medical sciences and health services

##### Full name of responsible person

hadi hassankhani

##### Street address

School of Nursing Midwifery, South shariati ave

##### City

Tabriz

## Sponsors / Funding sources

### 1

#### Sponsor

##### Name of organization / entity

Tabriz University of Medical Sciences, School of Nursing Midwifery

##### Full name of responsible person

Dr Ebrahimi

##### Street address

Tabriz School of Nursing Midwifery, South Shariati St

##### City

Tabriz

##### Grant name

##### Grant code / Reference number

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

Yes

**Title of funding source**

Tabriz University of Medical Sciences, School of Nursing  
Midwifery

**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**

Sina Hospital

**Full name of responsible person**

Shahzad Akbarzadeh

**Position**

Nurse

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

Sina hospital

**City**

Tehran

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1348987431

**Phone**

+98 912 421 0616

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shd\_akbarzade@yahoo.com

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

Tabriz University of Medical Sciences

**Full name of responsible person**

Dr Hadi Hassankhani

**Position**

PhD in Nursing education

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

Tabriz University of medical sciences

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Hadi Hassankhani

**Position**

assistant Professor

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**Email**

hadi1672@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*