

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

10 Jun 2026

### Effect of Body position on gastric residual in preterm infant

#### Protocol summary

##### Summary

The purpose of this study was to evaluate the effect of body position on gastric residual volume in preterm infants. This was a single blind study, so that the researchers were not blind but the executive nurse was blind. In this study, 100 infants aged under 32 weeks with weight between 750-1500 g were randomly divided into two groups. The first group were laid in right lateral position first and then put at prone position. Then Gastric residuals were measured at 1 and 2 hours after initiation of feeding. The infant in second group were laid in prone position first and then put at right lateral position. Gastric residuals were measured at 1 and 2 hours after initiation of feeding. Finally, gastric residuals were compared in both groups. The amount of gastric residual volumes was considered one and two hours after gavages as the primary outcome.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT201008234617N1**

Registration date: **2011-11-08, 1390/08/17**

Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2011-11-08, 1390/08/17

##### Registrant information

##### Name

Mahnaz Jabraeili

##### Name of organization / entity

Tabriz University of Medical Sciences

##### Country

Iran (Islamic Republic of)

##### Phone

+98 41 1479 6770

##### Email address

jabraeilim@tbzmed.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Deputy of Research, Tabriz University of Medical Sciences

##### Expected recruitment start date

2008-05-05, 1387/02/16

##### Expected recruitment end date

2008-10-04, 1387/07/13

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Effect of Body position on gastric residual in preterm infant

##### Public title

Effect of Body position on gastric residual

##### Purpose

Prevention

##### Inclusion/Exclusion criteria

Inclusion criteria: infants' age less than 32weeks; Infant can tolerate stomach tube; weight between 750-1500 gm; clinically stable Infants; breast-feeding during the study and Infants is without congenital anomalies  
Exclusion criteria: vomiting during the tests; respiratory distress; abdominal distension and refrain from further testing

##### Age

To **1 year** 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

Not used

## Assignment

Parallel

## Other design features

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

##### Name of ethics committee

Tabriz University of Medical Sciences Ethics Committee

##### Street address

Deputy of Research, Tabriz University of Medical Sciences ,Golgasht street , Tabriz

##### City

Tabriz

##### Postal code

977-5138947

#### Approval date

2008-02-10, 1386/11/21

#### Ethics committee reference number

10779/4/5

## Health conditions studied

### 1

#### Description of health condition studied

gastric residual volume

#### ICD-10 code

Z00-Z99

#### ICD-10 code description

Health supervision and care of other healthy infant and child

## Primary outcomes

### 1

#### Description

Gastric residual volume

#### Timepoint

One and two hours after gavage

#### Method of measurement

Using a syringe

## Secondary outcomes

empty

## Intervention groups

### 1

#### Description

The infant of first group, at first gavages were laid in right lateral position and then prone position. Then Gastric residuals were measured at 1 and 2 hours after initiation of feeding

#### Category

Prevention

### 2

#### Description

The infant of second group, at first gavages were laid in prone position and then right lateral position and Gastric residuals were measured at 1 and 2 hours after initiation of feeding

#### Category

Prevention

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Alzahra Educational Center Affiliated Medical Sciences of Tabriz;Iran

##### Full name of responsible person

Mrs Ashorian & Ataeyan

##### Street address

Bagshomal Square;Tabriz;Iran

##### City

Tabriz

## Sponsors / Funding sources

### 1

#### Sponsor

##### Name of organization / entity

Deputy of research, Tabriz University of Medical Sciences

##### Full name of responsible person

Dr Rasoolazeen

##### Street address

Research Department, Central Building , Golgasht , Tabriz

##### City

Tabriz

#### Grant name

#### Grant code / Reference number

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

Yes

#### Title of funding source

Deputy of research, 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**

Alehe Seyyedrasooly

**Position**

Ms , Faculty member

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

School of Nursing and Midwifery, Shariati South Street  
, Tabriz, Iran

**City**

Tabriz

**Postal code**

5138947-977

**Phone**

+98 41 1479 6770

**Fax**

+98 41 1479 6969

**Email**

seyyedrasooly@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**

Mahnaz Jabraeili

**Position**

Ms, Faculty member

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

School of Nursing and Midwifery , Shariati South  
Street , Tabriz , Iran

**City**

Tabriz

**Postal code**

5138947-977

**Phone**

+98 41 1479 6770

**Fax**

+98 41 1479 6969

**Email**

jabraeilim@tbzmed.ac.irjebraeilim@yahoo.com

**Web page address**

## Person responsible for updating data

### Contact

**Name of organization / entity**

Tabriz University of Medical Sciences

**Full name of responsible person**

Mahnaz Jabraeili

**Position**

Ms, Faculty member

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

School of Nursing and Midwifery , Shariati South  
Street, Tabriz , Iran

**City**

Tabriz

**Postal code**

5138947-977

**Phone**

+98 411476770

**Fax**

+98 41 1479 6969

**Email**

jebraeilim@yahoo.comjabraeilim@tbzmed.ac.ir

**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*