

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

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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

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Full name of responsible person

Alehe Seyyedrasooly

Position

Ms , Faculty member

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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