

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

The effect of continuous feeding on nutritional status of hospitalized patients with multiple trauma in ICU of Taleghani hospital

Protocol summary

Summary

Objective: to determine the effect of continuous feeding on nutritional status of patients with multiple trauma in ICU of Taleghani hospital, Design of study: randomaized, Population: patients with multiple trauma, Major inclusion criteria: having multiple trauma including head trauma, body mass index between 18.5 to 29.5, and no need to specific diet (such as diabetes and hypertension), Major exclusion criteria: catching a disease requiring a specific diet during the study period, discharging or passing out before the seventh day of the study, Sample size:60 patients, Intervention: there are three different intervention methods including continuously feeding through the infusion pump, intermittent feeding through the nasogastric tube, and intravenous feeding, Time of intervention: in continuous feeding, the patients will be fed every 8 hours (20ml/hr); In the intermittent method, the patients will be fed once every three hours about 15 minute; and daily with intravenous solutions in the intravenous method, Primary outcomes: changing in weight, results of blood tests (such as albumin and ferritin).

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201011194736N2**

Registration date: **2010-12-18, 1389/09/27**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2010-12-18, 1389/09/27

Registrant information

Name

Alireza Khatony

Name of organization / entity

Kermanshah University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research & technology, Kermanshah university of medical sciences

Expected recruitment start date

2010-11-23, 1389/09/02

Expected recruitment end date

2011-03-11, 1389/12/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of continuous feeding on nutritional status of hospitalized patients with multiple trauma in ICU of Taleghani hospital

Public title

The effect of continuous feeding on nutritional status of multiple trauma patients

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: patients with diagnosis of multiple trauma associated with head trauma, body mass index between 18.5 to 29.5, does not need to specific diet (such as diabetes, hypertension, hyprlipidemia, renal

failure, liver failure, heart failure, AIDS , cancer , etc), not receiving food orally or intravenously at the beginning of feeding Exclusion criteria: catching diseases requiring a specific diet during the study period, discharge or the patient died before the seventh day of study

Age

From **18 years** old to **65 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

Ethic committee of kermanshah university of medical sciences

Street address

Shahid beheshty blv.

City

Kermanshah

Postal code

Approval date

2010-09-06, 1389/06/15

Ethics committee reference number

6217/420/7/پ

Health conditions studied

1

Description of health condition studied

Nutritional status

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Albumin

Timepoint

At admission time and then at the end of first, second and third weeks after admission

Method of measurement

Laboratory methods

2

Description

Nitrogen balance

Timepoint

At admission time and then at the end of first, second and third weeks after admission

Method of measurement

Laboratory methods

3

Description

Total protein

Timepoint

At admission time and then at the end of first, second and third weeks after admission

Method of measurement

Laboratory methods

Secondary outcomes

1

Description

Iron, serum

Timepoint

At admission time and then at the end of first, second and third weeks after admission

Method of measurement

Laboratory methods

2

Description

Creatinine height index (CHI)

Timepoint

At admission time and then at the end of first, second and third weeks after admission

Method of measurement

Laboratory methods

3

Description

Urea, serum

Timepoint

At admission time and then at the end of first, second and third weeks after admission

Method of measurement

Laboratory methods

4

Description

Total iron binding capacity

Timepoint

At admission time and then at the end of first, second and third weeks after admission

Method of measurement

Laboratory methods

5

Description

Ferritin

Timepoint

At admission time and then at the end of first, second and third weeks after admission

Method of measurement

Laboratory methods

Intervention groups

1

Description

The intermittent feeding group will be fed intermittently once every three hours about 15 minute by nasogastric tube.

Category

Prevention

2

Description

In intervention group, patient will be fed every 8 hours (20ml/hr) using continuous infusion pump.

Category

Prevention

3

Description

The intravenous feeding group includes patients who after several days of receiving intermittent feeding will be fed intravenously as doctor order.

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Taleghany hospital

Full name of responsible person

Street address

City

Kermanshah

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Kermanshah university of medical sciences

Full name of responsible person

Dr Farid Najafy

Street address

Sepah pasdaran sq, shahid beheshty bld.

City

Kermanshah

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Kermanshah 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

Kermanshah school of nursing and midwifery

Full name of responsible person

Alireza Khatony

Position

PhD. dean of faculty

Other areas of specialty/work

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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

Person responsible for updating data

Contact

Name of organization / entity

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Full name of responsible person

Alireza Khatony

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PhD-faculty member, dean of faculty

Other areas of specialty/work

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