

PRospective Observational cohort Study of reached Protein and Energy Targets in general wards during the post intensive care period-I

No registrations found.

Ethical review	Positive opinion
Status	Recruiting
Health condition type	-
Study type	Observational non invasive

Summary

ID

NL-OMON22255

Source

Nationaal Trial Register

Brief title

PROSPECT-I

Health condition

Not applicable

Sponsors and support

Primary sponsor: Research Foundation Intensive Care Unit, Hospital Gelderse Vallei, Ede, The Netherlands; Nutricia Research, Utrecht, The Netherlands;

Source(s) of monetary or material Support: Research Fund Gelderse Vallei Hospital, Ede, The Netherlands

Intervention

Outcome measures

Primary outcome

To investigate energy and protein intake in general wards during the post intensive care period [expressed in kilocalories and grams per day and per kilogram bodyweight, adjusted for overweight, and as a percentage of calculated targets [%], averaged over the study days].

Secondary outcome

- To assess differences in energy and protein intake between patients on oral, enteral, parenteral or combined nutrition; expressed in kilocalories and grams per day and per kilogram bodyweight, and as a percentage of calculated targets [%];
- To assess differences in energy and protein intake after feeding tube removal expressed in kilocalories and grams per day and per kilogram bodyweight, and as a percentage of calculated targets [%];
- To assess differences in energy and protein intake between wards of different specialisms expressed in kilocalories and grams per day and per kilogram bodyweight, and as a percentage of calculated targets [%];
- To assess hospital LOS [in days] and mortality [%] (both after ICU discharge) in relation with energy and protein targets reached.

Study description

Background summary

Nutrition plays a key role in the recovery of critically ill patients. However, relevant information regarding nutritional intake in the post-ICU hospitalization period is scarce.

Moreover, the few studies that have investigated nutritional intake in the post-ICU hospitalization period, assessed energy and protein intake using food record charts.

In our hospital, meals are ordered via At Your Request - a hospital meal service concept by Sodexo with a restaurant style menu card and room service.

In this prospective observational cohort study, we aim to describe a detailed and complete overview of energy and protein intake in the post-ICU period. Digital photography will be used to assess leftovers of ordered meals and compare this to what has been ordered by At Your Request. Secondary study parameters are the differences in reached targets between patients on oral, enteral, parenteral or combined nutrition and the differences between hospital wards.

In addition to this, the food order databases of 150 additional patients will be assessed retrospectively to compare dietitian (supplementary) prescriptions with nutritional values of food that has actually been ordered via At Your Request.

Study objective

In the post-ICU hospitalization, the nutritional intake of post-ICU patients is below targets (based on predicted requirements)

Study design

May 2018-December 2020

Contacts

Public

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Scientific

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Eligibility criteria

Inclusion criteria

1. Age \geq 18 years;
2. Ready for discharge to a general ward after an ICU-stay of at least 72 hours;
3. Received enteral or parenteral feeding for at least 24 hours during ICU-stay;
4. Signed informed consent by patient or legal representative.

Exclusion criteria

1. Received oral nutrition only during ICU-stay;
2. Discharge from the ICU to (a nursing) home, or to another ICU or hospital;
3. Moribund or life-expectancy less than 48 hours.

Study design

Design

Study type:	Observational non invasive
Intervention model:	Other
Allocation:	Non controlled trial
Masking:	Open (masking not used)
Control:	N/A , unknown

Recruitment

NL	
Recruitment status:	Recruiting
Start date (anticipated):	01-05-2018
Enrollment:	150
Type:	Anticipated

IPD sharing statement

Plan to share IPD: Undecided

Ethics review

Positive opinion	
Date:	24-02-2020
Application type:	First submission

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

Other (possibly less up-to-date) registrations in this register

No registrations found.

In other registers

Register ID

NTR-new NL8405

Other METC Ziekenhuis Gelderse Vallei, Ede, The Netherlands : 1811-198

Study results