

Development of a malnutrition screening tool for hospitalized children.

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Ethical review	Approved WMO
Status	Recruiting
Health condition type	Appetite and general nutritional disorders
Study type	Observational non invasive

Summary

ID

NL-OMON32283

Source

ToetsingOnline

Brief title

Malnutrition screening tool for hospitalized children.

Condition

- Appetite and general nutritional disorders

Synonym

malnutrition, undernutrition

Research involving

Human

Sponsors and support

Primary sponsor: Vrije Universiteit Medisch Centrum

Source(s) of monetary or material Support: Nutricia

Intervention

Keyword: malnutrition screening tool, screening, undernutrition

Outcome measures

Primary outcome

The primary objective of the study is to determine which questions are most predictive for undernutrition in hospitalized children in order to develop a quick and easy screening tool that is valid, reproducible and suitable for the population of children from 1 year to 18 years of age.

Secondary outcome

Prevalence of undernutrition of hospitalized children.

Study description

Background summary

Undernutrition is seen in 26% of all children admitted to a hospital (1, 2). In 70% of all admissions it goes unrecognized and untreated (3). That is where a great task lies for nurses and doctors, admitting a child to a hospital. Undernutrition can have a lot of negative side-effects like reduction in growth, higher risk to various infections, longer time of recovery and a longer hospital stay. (2-6)

Therefore, it will be beneficial to quick and easy screen children on undernutrition at hospital admission and to monitor the nutritional status during the medical treatment. This will make it is possible to effectively intervene.

Routine screening of nutritional status at admission has been hindered by the lack of a simple nutritional assessment tool for children. This study is designed to develop a short questionnaire that can be integrated in the nurses* intake of the child at admission to the hospital and will take less than five minutes time.

Study objective

The primary objective of the study is to determine which questions are most predictive for undernutrition in hospitalized children in order to develop a

quick and easy screening tool that is valid, reproducible and suitable for the population of children from 1 year to 18 years of age.

Study design

Cross-sectional study.

Study burden and risks

The questionnaire that will be used during this study consists of 23 questions, asking about the nutritional status of the child. As a standard procedure the child's weight and height is measured. Next to these measurements the bio-electrical impedance and the upper arm circumference is measured. This will take approximately 10 minutes.

The burden for the patients is low.

There will be no risks associated with participation.

When a result is measured, that needs treatment, an intervention will be started.

Contacts

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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age

Adolescents (12-15 years)

Adolescents (16-17 years)

Children (2-11 years)

Inclusion criteria

Children aged one year to eighteen years old.

Children admitted acute or consecutively.

Children and/or their parents who give informed consent.

Exclusion criteria

Children younger than one.

Children and/or their parents who did not give informed consent.

Children with an implanted defibrillator.

Study design

Design

Study type:	Observational non invasive
Intervention model:	Other
Allocation:	Non-randomized controlled trial
Masking:	Open (masking not used)
Control:	Active
Primary purpose:	Diagnostic

Recruitment

NL	
Recruitment status:	Recruiting
Start date (anticipated):	04-06-2008
Enrollment:	230
Type:	Actual

Ethics review

Approved WMO

Date: 03-06-2008

Application type: First submission

Review commission: METC Amsterdam UMC

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
CCMO	NL21511.029.08