Optimization FDG-uptake in myocard with a low-carbohydrate diet

Published: 16-07-2010 Last updated: 04-05-2024

To evaluate if a low-carbohydrate diet leeds to less physiological FDG-uptake in the myocard. Patients on a low-carbohydrate diet will be compared to patients without such a diet.

Ethical review	Approved WMO
Status	Recruitment stopped
Health condition type	Miscellaneous and site unspecified neoplasms malignant and unspecified
Study type	Interventional

Summary

ID

NL-OMON34969

Source ToetsingOnline

Brief title PET on diet II

Condition

• Miscellaneous and site unspecified neoplasms malignant and unspecified

Synonym

oncological tumours of mixed origines

Research involving Human

Sponsors and support

Primary sponsor: Universitair Medisch Centrum Utrecht **Source(s) of monetary or material Support:** Ministerie van OC&W

Intervention

Keyword: FDG, low-carbohydrate, myocard, PET-scan

Outcome measures

Primary outcome

Kwantitative evaluation of FDG-uptake in the myocard.

Secondary outcome

Semi-kwantitative evaluation of FDG-uptake in the myocard.

Evaluation of the relevence of the FDG-uptake in the myocard for te evaluation

of the FDG-PET-scan.

Evaluation of the patients experience with regard to the burden of the diet.

Study description

Background summary

Some patients have FDG-uptake in the myocard. This physiological uptake can be disadvantageous for evaluation of abnormalities in mediastinum or lung tissue. These disadvantageous effects can also appear distal of the myocard, probably caused by competition for the FDG. By giving patients a low-carbohydrate diet at least 24 hours before the start of the PET-scan, the aim of this pilot is to decrease the FDG-uptake in the myocard. With the results of the pilot a trial can be designed to investigate the usefulness of the diet for the evaluation of PET-scans in different patient categories.

Study objective

To evaluate if a low-carbohydrate diet leeds to less physiological FDG-uptake in the myocard. Patients on a low-carbohydrate diet will be compared to patients without such a diet.

Study design

Pilot, prospective, randomized, single-center, single-blind, parallel, interventional.

Intervention

Low-carbohydrate diet at least 24 hours before the PET-scan.

Study burden and risks

There are no risks. The extra burden consists of: filling in forms (dietform, questionnaire and medication list) and complying to a low-carbohydrate diet for at least 24 hours.

Contacts

Public Universitair Medisch Centrum Utrecht

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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age

Adults (18-64 years) Elderly (65 years and older)

Inclusion criteria

3 - Optimization FDG-uptake in myocard with a low-carbohydrate diet 17-06-2025

18 years and over outpatients oncological patients

Exclusion criteria

younger then 18 years diabetes mellitus sarcoidosis On a low-carbohydrate diet <4 weeks before PET-scan Incompetent patients Clinical patients

Study design

Design

Primary purpose: Diagnostic	
Masking:	Single blinded (masking used)
Allocation:	Randomized controlled trial
Intervention model:	Parallel
Study type:	Interventional

Recruitment

NL	
Recruitment status:	Recruitment stopped
Start date (anticipated):	06-10-2010
Enrollment:	40
Туре:	Actual

Ethics review

Approved WMO	
Date:	16-07-2010
Application type:	First submission
Review commission:	METC Universitair Medisch Centrum Utrecht (Utrecht)

4 - Optimization FDG-uptake in myocard with a low-carbohydrate diet 17-06-2025

Approved WMO	
Date:	18-01-2011
Application type:	Amendment
Review commission:	METC Universitair Medisch Centrum Utrecht (Utrecht)

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 CCMO **ID** NL30478.041.09