Genetic profiling of late radiation toxicity in patients with prostate cancer

Published: 02-03-2010 Last updated: 04-05-2024

Can we identify a gene expression profile for late radiation toxicity?

Ethical review	Approved WMO
Status	Pending
Health condition type	Reproductive and genitourinary neoplasms gender unspecified NEC
Study type	Observational invasive

Summary

ID

NL-OMON35092

Source ToetsingOnline

Brief title repeat Svensson-study

Condition

• Reproductive and genitourinary neoplasms gender unspecified NEC

Synonym prostate cancer, side-effects

Research involving Human

Sponsors and support

Primary sponsor: Academisch Medisch Centrum **Source(s) of monetary or material Support:** KWF-Kankerbestrijding

Intervention

Keyword: gene expression profiling, prostate cancer, radiotherapy, toxicity

Outcome measures

Primary outcome

- gene expression profile in lymphocytes
- toxicity questionnaire

Secondary outcome

Study description

Background summary

Late radiation toxicity is the major dose limiting factor of radiotherapy. The risk of radiation toxicity depends of radiation dose and -volume, but probably also of a genetic predisposotion.

Study objective

Can we identify a gene expression profile for late radiation toxicity?

Study design

retrospective case-control study.

Study burden and risks

vena punction (minor inconvenience) and a questionnaire

Contacts

Public Academisch Medisch Centrum

Meibergdreef 9 1105 AZ Amsterdam NL **Scientific**

2 - Genetic profiling of late radiation toxicity in patients with prostate cancer 25-05-2025

Academisch Medisch Centrum

Meibergdreef 9 1105 AZ Amsterdam NL

Trial sites

Listed location countries

Netherlands

Eligibility criteria

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

Inclusion criteria

adult males at leats 2 years after curative radiotherapy for prostate cancer no evidence of prostate cancer two groups are selected: with severe toxicity (SOMA grade 3-4), or with no or mild toxicity (grade 0-1)

Exclusion criteria

- patients who had prostatectomy or brachytherapy
- patients with severe mental or somatic disorders

Study design

Design

Study type: Observational invasive Masking: Open (masking not used)

3 - Genetic profiling of late radiation toxicity in patients with prostate cancer 25-05-2025

Control:	Uncontrolled
Primary purpose:	Diagnostic

Recruitment

NL	
Recruitment status:	Pending
Start date (anticipated):	01-10-2009
Enrollment:	80
Туре:	Anticipated

Ethics review

Approved WMO	
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 CCMO **ID** NL30056.018.09