The value of clinical factors, imaging features and biological characteristics for the prediction of outcome after radiotherapy in larynx cancer.

No registrations found.

Ethical review	Not applicable
Status	Recruiting
Health condition type	-
Study type	Observational non invasive

Summary

ID

NL-OMON28459

Source
Nationaal Trial Register

Health condition

Larynx cancer
Radiotherapy
Prediction
PET scan

Sponsors and support

Primary sponsor: Maastro Clinic
Source(s) of monetary or material Support: Maastro Clinic

Intervention

Outcome measures

Primary outcome

Overall survival.

Secondary outcome

1. Local control;

2. Regional control;

3. Distant metastases.

Study description

Background summary

Accurate prediction of survival and local control can help in the selection of patients for optimized treatment. Therefore it is valuable to develop an accurate, data-driven model to predict overall survival and local control in larynx cancer patients in order to individualize treatment. CTPET-imaging might have a predictive value for response in larynx cancer. In this study CTPET imaging is combined with clinical prognostic factors and blood and tissue characteristics to develop models and corresponding nomograms to predict response sufficiently accurate to use in trials and in the clinic.

Study objective

A model based on the combination of clinical prognostic factors and features extracted from tumor contours from CT-PET and biological characteristics obtained from tissue or blood has a high accuracy to predict overall survival and local control after radiotherapy in larynx cancer.

Study design

N/A

Intervention

1. FDG-PET imaging (pretreatment);

2. Blood sampling (facultative);

3. Tissue sampling (facultative);

4. FDG-PET imaging (posttreatment, facultative).

Contacts

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Eligibility criteria

Inclusion criteria

1. Histological proven larynx cancer;

2. Only primary tumors; no recurrences;

3. Only radiotherapy treatment;

4. 18 years or older.

Exclusion criteria

Other pathology then squamous cell.

Study design

Design

Study type:	Observational non invasive
Intervention model:	Parallel

Allocation:	Non controlled trial
Masking:	Open (masking not used)
Control:	N/A , unknown

Recruitment

NL

Recruitment status:	Recruiting
Start date (anticipated):	01-01-2009
Enrollment:	400
Type:	Anticipated

Ethics review

Not applicable

Application type:	Not applicable

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	NL2139
NTR-old	NTR2263
Other	Trialnummer Maastro Clinic : 08-31-10/12
ISRCTN	ISRCTN wordt niet meer aangevraagd.

Study results

Summary results
N/A