

Onderzoek naar het vrijwillig adem inhouden tijdens de bestraling voor alvleesklierkanker voor nauwkeuriger bestraling

No registrations found.

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

Summary

ID

NL-OMON25458

Source

Nationaal Trial Register

Brief title

BREATHPANC

Health condition

Resectable pancreatic cancer, borderline resectable pancreatic cancer, irresectable pancreatic cancer, radiochemotherapy, breath hold technique for radiation, fiducial markers

Sponsors and support

Primary sponsor: Academic Medical Center, Amsterdam

Source(s) of monetary or material Support: initiator and KWF (one of the two coordinators works in the framework of a KWF project 2011-5271)

Intervention

Outcome measures

Primary outcome

Comparison of preparatory, inter and intra fraction tumour motion between free breathing and breath hold conditions

Secondary outcome

- Feasibility of irradiation in breath hold conditions
- Calculation of change in margins in breath hold conditions compared to free breathing
- Calculation of potentially resulting changes in normal tissue complication probability (NTCP)

Study description

Background summary

Pilot study of 10 patients with pancreatic cancer eligible for radiochemotherapy for (borderline) resectable or irresectable pancreatic cancer to investigate whether irradiation with a breath hold technique is feasible, and leads to less inter fraction position variation and intra fraction motion, than free breathing methods.

Study objective

Breath hold techniques may pose an advantage over free breathing techniques for irradiation of pancreatic cancer

Study design

- Acquisition of data before and during treatment of patients giving informed consent
- Analysis of all data until 3 months after closure of accrual
- Interpretation of data and making manuscript within 6 months after closure of accrual.

Intervention

No additional therapeutic interventions

During preparatory CT and once weekly during fractionated radiation, additional imaging shall be performed in breath hold conditions.

Contacts

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Eligibility criteria

Inclusion criteria

- Patients with pancreatic cancer, locally advanced or (borderline) resectable status, who are treated with radio(chemo)therapy;
- WHO performance status of 0-2;
- Written informed consent.

Exclusion criteria

- Inability to undergo the additional treatment planning CT scan and fluoroscopy;
- Serious lung condition precluding breath-hold

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:	Pending
Start date (anticipated):	01-03-2014
Enrollment:	10
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	NL4158
NTR-old	NTR4317
Other	NTR is the first : 15884
ISRCTN	ISRCTN wordt niet meer aangevraagd.

Study results

Summary results

N/A