

esor.org

LEVEL III

ASKLEPIOS

Course

MULTIDISCIPLINARY APPROACH TO CANCER IMAGING

November 4-5, 2019
Amsterdam/The Netherlands

ESOR EUROPEAN SCHOOL
OF RADIOLOGY

ESR EUROPEAN SOCIETY
OF RADIOLOGY

EDUCATION IN PARTNERSHIP

LEVEL III

ASKLEPIOS Course

MULTIDISCIPLINARY APPROACH TO CANCER IMAGING

November 4-5, 2019
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Course information

This course is designed for radiologists, radiation-oncologists, surgeons and all others involved or interested in obtaining knowledge on the multidisciplinary management of liver, pancreatic, prostate and rectal cancer. The goal is to understand each other's specialty needs in a multidisciplinary environment. The course aims to provide knowledge on an integrated approach of imaging in the diagnosis and treatment of cancer. Didactic lectures followed by workshops simulating multidisciplinary tumour boards will cover all aspects of patients' management. A renowned European multidisciplinary faculty of expert radiologists, surgeons and radiation-oncologists will provide the participants with an in-depth knowledge of imaging technology as well as an understanding of how its information can be used for clinical decision making, treatment planning, adaptation and response assessment.

Learning objectives

- to understand the imaging technology and protocols used in radiology and radiation oncology
- to learn about relevant questions in each other's specialty
- to become familiar with current treatment options in liver, pancreatic, prostate and rectal cancer
- to know the role of and understand how imaging information impacts treatment stratification, planning and adaptation



Programme

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Monday, November 4, 2019

08:15-08:45	Registration
08:45-09:00	Welcome and introduction on behalf of ESOR and ESTRO R. Beets-Tan, Amsterdam/NL V. Valentini, Rome/IT
09:00-10:00	Lecture session 1 (parallel) Imaging technology in radiotherapy for radiologists Basic principle in radiation technology R.H.N. Tijssen, Utrecht/NL Clinical application V. Valentini, Rome/IT
09:00-10:00	Lecture session 1 (parallel) Imaging technology in radiology for radiotherapists Basic imaging technology in radiology for radiotherapists N. Papanikolaou, Lisbon/PT Clinical application of MRI in radiology for radiotherapists R. Manfredi, Rome/IT
10:00-11:00	Lecture session 2 (parallel) Advanced imaging technology in radiotherapy for radiotherapists Radiation technology for radiotherapists R.H.N. Tijssen, Utrecht/NL Radiation technology for radiotherapists V. Valentini, Rome/IT
10:00-11:00	Lecture session 2 (parallel) Advanced imaging technology in radiology for radiologists MR physics for radiologists N. Papanikolaou, Lisbon/PT Advanced MR in oncology: DWI, IVIM, perfusion, elastography - how to apply them in clinics M. Ronot, Clichy/FR
11:00-11:30	Coffee break

Host organisers



R. Beets-Tan
Amsterdam/NL



V. Valentini
Rome/IT

Venue

Antoni van Leeuwenhoek
The Netherlands Cancer Institute
Plesmanlaan 121
1066 CX Amsterdam
The Netherlands

Registration fee

ESR and ESTRO members in training
Early fee EUR 200; Late fee EUR 300

ESR and ESTRO members
Early fee EUR 350; Late fee EUR 450

Non-members in training
Early fee EUR 300; Late fee EUR 400

Non-members
Early fee EUR 450; Late fee EUR 550

(Early fee until eight weeks prior to the course)
(Late fee after eight weeks prior to the course)

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11:30-12:30	Liver - borderline resectable colorectal liver metastases CT and MRI of liver tumours M. Ronot, Clichy/FR How to manage treatment - invasive and non-invasive K. Kuhlmann, Amsterdam/NL How to manage treatment - radiation and systemic tba
12:30-13:40	Pancreas - borderline resectable pancreatic cancer Anatomy of pancreas and nodal regions S. Alfieri, Rome/IT CT and MRI of pancreatic tumours R. Manfredi, Rome/IT How to manage treatment - radiation and systemic tba
13:40-14:30	Lunch break
14:30-15:30	Multidisciplinary tumour board 1 The management of CRC liver metastases M. Ronot, Clichy/FR K. Kuhlmann, Amsterdam/NL tba
15:30-16:00	Coffee break
16:00-17:00	Multidisciplinary tumour board 2 The management of borderline resectable pancreatic tumour S. Alfieri, Rome/IT R. Manfredi, Rome/IT tba

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Tuesday, November 5, 2019

09:00-10:00	Prostate cancer Staging with imaging R. Manfredi, Rome/IT How to manage treatment - surgery H. Van Poppel, Leuven/BE Radiotherapy P. Hoskin, London/UK
10:00-10:30	Coffee break
10:30-12:30	Multidisciplinary tumour board The management of prostate cancer R. Manfredi, Rome/IT H. Van Poppel, Leuven/BE P. Hoskin, London/UK
12:30-13:30	Lunch break
13:30-14:30	Rectal cancer How to manage treatment - surgery C. van de Velde, Leiden/NL How to manage treatment - radiation treatment V. Valentini, Rome/IT MRI of rectal cancer R. Beets-Tan, Amsterdam/NL
14:30-15:00	Coffee break
15:00-17:00	Multidisciplinary tumour board The management of rectal cancer R. Beets-Tan, Amsterdam/NL C. van de Velde, Leiden/NL V. Valentini, Rome/IT
17:00	Certificate of attendance

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Learning Objectives

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Imaging technology in radiotherapy for radiologists Basic principle in radiation technology

R.H.N. Tijssen, Utrecht/NL

- to understand the basic principles and targeting process in radiation oncology
- to understand the basic principles and targeting process in radiation oncology based on modern imaging before radiotherapy treatment

Imaging technology in radiotherapy for radiologists Clinical application

V. Valentini, Rome/IT

- to learn the clinical application and the relevance of image-based target delineation in treatment prescription
- to know the consequences of image driven response evaluation in radiation oncology combined treatments

Imaging technology in radiology for radiotherapists Basic imaging technology in radiology for radiotherapists

N. Papanikolaou, Lisbon/PT

- to understand the basic principles of most relevant MR sequences
- to learn about image quality challenges and solutions

Imaging technology in radiology for radiotherapists Clinical application of MRI in radiology for radiotherapists

R. Manfredi, Rome/IT

- to understand the relevant MR protocols for applications in oncologic imaging
- to learn about image quality challenges and solutions

Advanced imaging technology in radiotherapy for radiotherapists Radiation technology for radiotherapists

R.H.N. Tijssen, Utrecht/NL

- to explore advanced knowledge in physics on imaging-guided radiation technology
- to address the metric for dosimetric benefit of modern technology

Advanced imaging technology in radiotherapy for radiotherapists Radiation technology for radiotherapists

V. Valentini, Rome/IT

- to explore clinical advanced knowledge on imaging-guided radiation technology
- to address the metric for clinical benefit of modern technology

Advanced imaging technology in radiology for radiologists MR physics for radiologists

N. Papanikolaou, Lisbon/PT

- to understand advanced MR sequences in specific functional MRI
- to learn about image quality challenges and solutions

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Advanced imaging technology in radiology for radiologists

Advanced MR in oncology: DWI, IVIM, perfusion, elastography - how to apply them in clinics

M. Ronot, Clichy/FR

- to understand the relevant MR protocols for applications in oncologic imaging
- to learn about image quality challenges and solutions

Liver - borderline resectable colorectal liver metastases

CT and MRI of liver tumours

M. Ronot, Clichy/FR

- to understand the role of CT and MRI for the detection of colorectal liver metastases and to learn about the relevant CT and MR imaging features
- to know the performance of CT and MR imaging for the assessment of response to treatment
- to understand the post-treatment changes on imaging and learn about the interpretation difficulties in distinguishing treatment sequelae from recurrent disease

Liver - borderline resectable colorectal liver metastases

How to manage treatment - invasive and non-invasive

K. Kuhlmann, Amsterdam/NL

- to become familiar with current treatment options for colorectal liver metastases
- to know the indications for surgical and for non-invasive interventional treatment
- to understand the pros and cons of each treatment method

Liver - borderline resectable colorectal liver metastases

How to manage treatment - radiation and systemic tba

- to know the indications for radiation treatment based on clinical evidences
- to understand the impact of combined treatment in radiotherapy choices
- to become familiar with how new radiotherapy technologies possibilities can ameliorate clinical results

Pancreas - borderline resectable pancreatic cancer Anatomy of pancreas and nodal regions

S. Alfieri, Rome/IT

- to know the anatomy of the normal pancreas
- to understand the regions at risk for tumour and nodal spread
- to understand the anatomical compartments and dissection planes relevant for treatment planning

Pancreas - borderline resectable pancreatic cancer CT and MRI of pancreatic tumours

R. Manfredi, Rome/IT

- to understand the role of CT and MRI for the detection and characterisation of malignant pancreatic tumours
- to learn about the performance of CT and MRI for staging pancreatic cancer and know the imaging findings relevant for clinical decision making
- to be familiar with the imaging findings of complications that may arise following pancreatic surgery and understand how treatment sequelae can be distinguished from recurrent pancreatic tumour

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Pancreas - borderline resectable pancreatic cancer **How to manage treatment - radiation and systemic** tba

- to know the indications for radiation treatment based on clinical evidence
- to understand the impact of combined treatment in radiotherapy choices
- to become familiar with how new radiotherapy technologies possibilities can ameliorate clinical results

Prostate cancer **Staging with imaging** R. Manfredi, Rome/IT

- to learn how radiologists can answer the relevant clinical questions
- to learn how advanced MR techniques improve staging
- to learn how to perform, interpret and communicate multiparametric MRIs

Prostate cancer **How to manage treatment - surgery** H. Van Poppel, Leuven/BE

- to understand how diagnosis is established by PSA evaluation and biopsy
- to learn about different treatment options (surgery, radiotherapy, local ablative and hormonal treatment as well as active surveillance)
- to learn how imaging impacts treatment selection

Prostate cancer **Radiotherapy** P. Hoskin, London/UK

- to know the indications for radiation treatment based on clinical evidence
- to understand the impact of combined treatment in radiotherapy choices
- to become familiar with how new radiotherapy technology possibilities can ameliorate clinical results

Rectal cancer **How to manage treatment - surgery** C. van de Velde, Leiden/NL

- to know the evidence of rectal cancer management
- to understand the surgical treatment options
- to learn about new organ saving treatments

Rectal cancer **How to manage treatment - radiation treatment** V. Valentini, Rome/IT

- to know the evidence of rectal cancer management
- to understand how imaging helps radiation oncologists to tailor treatment at the onset, during and after preoperative chemoradiotherapy
- to learn about new organ saving treatments

Rectal cancer **MRI of rectal cancer** R. Beets-Tan, Amsterdam/NL

- to understand the role of MRI for staging and restaging of rectal cancer
- to learn about the imaging features relevant for clinical decision making
- to know the performance of MRI and diffusion weighted MRI for the assessment of treatment response after chemoradiotherapy
- to understand the pitfalls in interpretation

EDUCATION IN PARTNERSHIP

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Please note that programmes are marked with a logo to indicate their classification according to the European Training Curriculum.

LEVEL I

First three years of training

LEVEL II

Fourth and fifth year of training
(general radiologist standard)

LEVEL III

Subspecialty training standard

ESOR stands for education in partnership.

This ASKLEPIOS Course is implemented with great support and partnership of ESTRO (European Society for Radiotherapy & Oncology).

