

EANM-ESTRO EDUCATIONAL SEMINAR - POSITRON EMISSION TOMOGRAPHY IN RADIATION ONCOLOGY

Vienna, Austria
15 - 16th November 2008

- Course Director:** D. De Ruyscher, radiation oncologist MAASTRO Clinic/ University Hospital Maastricht, Maastricht, The Netherlands
- W. Oyen, nuclear medicine physician Radboud University Nijmegen Medical Center, Nijmegen, The Netherlands.
- Paul Van Houtte, Radiation Oncologist, Institut Bordet, Brussels (BE)
- Programme Aims:** Upon completion of the course the delegate can
- ⇒ List the implications of PET in radiation oncology
 - ⇒ Address technical issues to implement PET in radiation treatment planning
 - ⇒ Discuss the current evidence and state of the art of PET in radiation oncology
 - ⇒ Practically address problems and are able to implement PET in radiotherapy planning.
- The course will be divided between short lessons and extensive, practical teaching where all participants have access to computers. They will be gradually guided through the implementation of PET-scans into radiotherapy planning with real cases, including pitfalls.
- Target Group:** The course is aiming at physicians and is open to “duos”, of radiation oncologists and nuclear medicine physicians from the same hospital who want to learn about PET/CT in Radiotherapy Treatment Planning (RTP) in order to develop and/or start-up local cooperation on PET/CT based RTP in their institution. The attendance is limited to 20 participants.
- Registration and Accomm.** Registration will be possible from 1 April onwards via the website of EANM. EANM will also assist participants in booking accommodation www.eanm.org
- Course Venue:** EANM Educational Facility
Hollandstrasse 14 / Mezzanine
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Saturday 15 November:

Time	Subject
08.30 - 10.00	The basics of radiation treatment planning (RTP) for nuclear medicine physicians Basics of positron emission tomography for (PET) radiation oncologists:
10.00 - 10.30	<i>Coffee Break</i>
10.30 - 11.15	Impact of PET in staging : stage migration
11.15 - 12.00	Workshop: basic RTP in NSCLC
12.00 - 13.00	Lunch
13.00 - 13.45	Requirements of PET acquisition and data processing for incorporation in staging: (re)positioning, gating
13.45 - 14.30	Technical issues of PET: filters, thresholds, image fusion, pitfalls
14.30 - 15.00	<i>Coffee Break</i>
15.00 - 16.30	Advanced RTP including PET in NSCLC and HNSCC. Evidence from the literature in various tumour types on PET for RTP, PET as a surrogate end point for treatment efficacy, The timing of PET for follow-up of radiation treatment, PET tracers beyond FDG.
16.30 - 17.10	NSCLC
17.10 - 17.50	HNSCC

Sunday 16 November:

Evidence from the literature in various tumour types on PET for RTP, PET as a surrogate end point for treatment efficacy. The timing of PET for follow-up of radiation treatment, PET tracers beyond FDG:

Time	Subject
08.30 - 09.10	Cervix
09.10 - 09.50	Brain
09.50 - 10.30	Oesophagus
10.30 - 11.00	<i>Coffee Break</i>
11.00 - 11.40	Lymphoma
11.40 - 12.20	Prostate
12.20 - 13.30	Lunch
13.20 - 15.00	Case reports by the participants (CD-ROM in DICOM-RT)