

**ESNM/ESTRO COURSE ON MOLECULAR IMAGING AND RADIATION
ONCOLOGY
May 19-22, 2016
Lisbon, Portugal**

Curriculum

Thursday

08:30-08:45	Welcome to the Course & Housekeeping (U. Nestle)
	Introduction
08:45-09:15	Imaging in Radiation oncology (U. Nestle) Discussion
09:15-09:30	Coffee Break
	Basics
09:30-10:15	Technical basics of PET (M. Picchio) Discussion
10:15-11:00	PET tracers vs. tumor biology (W. Vogel) Discussion
11:00-11:45	MRI basics: physics (U. van der Heide) Discussion
11:45-12:30	MRI basics: medicine (V. Goh) Discussion
12:30-13:15	Lunch
	Clinical Topics with TED
13:15-13:45	Lung (U. Nestle)
13:45-14:15	H&N (W. Vogel, H. Minn)
14:15-14:45	MRI of prostate cancer (V. Goh)
14:45-15:00	Coffee Break
15:00-17:00	Group work: diagnostic viewing + discussion of CTV concepts (lung, h&n, prostate)

Friday

08:30-09:45	Group summaries of day 1 Discussion
09:45-10:15	Coffee Break
10:15-11:00	Imaging during and after treatment PET for response prediction (W. Vogel) Discussion
11:00-11:45	PET for assessment of tumor control (H. Minn) Discussion
11:45-12:30	MRI for response assessment (V. Goh) Discussion
12:30-13:15	Lunch
13:15-13:45	Clinical Topics with TED PET for prostate cancer (M. Picchio)
13:45-14:15	MRI for brain tumors (A. Laprie)
14:15-14:45	PET for brain tumors (U. Nestle)
14:45-15:00	Coffee Break
15:00-17:00	Group work: imaging in follow up (lung, h&n, brain)

Saturday

08:30-09:45	Group summaries of day 2 Discussion
09:45-10:15	Coffee Break
10:15-10:45	Imaging and target volumes PETscans in breast cancer (W. Vogel) Discussion
10:45-11:15	PETscans in gynecologic and gastrointestinal tumors (M. Picchio) Discussion
11:15-11:45	MRI in rectal cancer (V. Goh) Discussion
11:45-12:30	PET for GTV delineation (U. Nestle) Discussion
12:30-13:15	Lunch

Technical Topics

13:15-13:45	Segmentation (D. Thorwarth)
13:45-14:15	Registration (U. van der Heide)
14:15-14:45	Dose Painting (D. Thorwarth)
14:45-15:00	Coffee Break
15:00-17:00	Group work: coregistration, GTV delineation (phantom, lung, h&n, brain)

Sunday

08:30-09:45	Group summaries of day 3 Discussion
09:45-10:15	Coffee Break
	The challenge of clinical trials involving imaging based target volume concepts and future perspectives
10:15-10:45	Lung cancer (U. Nestle) Discussion
10:45-11:15	MRI spectroscopy (A. Laprie) Discussion
11:15-11:45	Dose painting (D. Thorwarth) Discussion
11:45-12:30	Perspective: PET-MRI (D. Thorwarth) Discussion
12:30-13:15	Lunch
13:15-13:30	All you ever wanted to know, but always were afraid to ask
13:30-14:00	Presentation Ceremony of Course Certificates (in exchange of Course Evaluation Forms)