

ESMPE European School for Medical Physics Experts Nuclear Medicine Dosimetry

16th June 2021, Torino, Italy

This one day satellite meeting will be held in conjunction with the 3rd European Congress of Medical Physics. This mini-course will focus on practical issues related to the implementation of clinical nuclear medicine dosimetry, mostly in a therapeutic context.

The morning session will present a basic reminder of NM dosimetry principles and use, discuss available software solutions for clinical dosimetry and present uncertainty analysis applied to Nuclear Medicine dosimetry practice according to recent EANM guidelines*.

The afternoon session will be dedicated to practical dosimetry case studies, based on software available freely. Participants are expected to bring their laptop (and mouse), and to install 3D Slicer (<https://www.slicer.org>) before the training session. Questions regarding software installation should be sent in advance to the faculty.

The event will be accredited by EBAMP (European Board for Accreditation in Medical Physics) and is intended for practicing clinical Medical Physicists who are involved in the field of NM dosimetry.

Manuel Bardiès, Jaroslav Ptáček (Scientific Chairs)

Alberto Torresin (Chair of the School)

Faculty	
Manuel Bardiès	Centre de Recherches en Cancérologie de Toulouse, Toulouse, France
Ludovic Ferrer	I'Institut de Cancérologie de l'Ouest, St Herblain, France
Jonathan Gear	The Royal Marsden NHSFT, Sutton, UK
Alex Vergara Gil	Centre de Recherches en Cancérologie de Toulouse, Toulouse, France
Mark Konijnenberg	Erasmus MC, Rotterdam, The Netherlands

*<https://link.springer.com/article/10.1007%2Fs00259-018-4136-7>

Time-table

	Session	Title	Description	Lecturer
8:00-9:00	Registration			
Morning session Chairs: M Bardiès, M Konijnenberg & J Gear				
9:00-9:30	Introduction	Opening of the NM satellite event	Why are we here?	M Bardiès
9:30-10:15		Clinical Dosimetry	Refresher course, principles and application in the clinics: why and when? How?	M Konijnenberg
10:15-10.30	Coffee break			
10:30-11:15		Software for clinical dosimetry	What is available, and software selection: commercial, academic or both?	M Bardiès
11:15-12:00		Uncertainty analysis in nuclear medicine dosimetry	Uncertainties in nuclear medicine clinical dosimetry: how to implement in practice?	J Gear
12:00-13:00	Lunch break			
Afternoon session Chairs: A Vergara Gil & L Ferrer				
13:00-14:00		Clinical dosimetry practical session	Presentation of dosimetric tools & practical dosimetry case study	A Vergara Gil & L Ferrer
14:00-14:15	Coffee break			
14:15-15:00		Clinical dosimetry practical session	Practical dosimetry case study (cont.)	A Vergara Gil & L Ferrer
15:00-15:45				
15:45-16:00		Discussion	Panel discussion and closing remarks	All

Further Information

Course language	English
Level	MPE
Registration fee* (meal & coffee breaks)	90 € + VAT
Maximum number of participants	35
Duration	16 th June 2021
Study load	6 hours of lectures and demonstrations
Venue	Lingotto Conference Center, Turin, Italy
Accommodation	Individual
Information, programme at:	www.efomp.org ECMP2020 website
Registration	Electronic registration via www.ecmp2020.org

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