ESMPE European School for Medical Physics Experts

EFOMP PET/CT and PET/MR Quality Control Protocol

August 17, 2022

Dublin, Ireland

The school aims to illustrate the EFOMP PET/CT and PET/MR Quality Control Protocol. This one-day event will be accredited by EBAMP (European Board of Accreditation for Medical Physics) as CPD event for Medical Physicists at EQF Level 8 and is intended for practicing clinical Medical Physicists who are involved in Nuclear Medicine.

Faculty

Roberta Matheoud University Hospital Maggiore della Carità, Novara, Italy

Jaroslav Ptacek University Hospital Olomouc, Olomouc, Czech Republic

Marine Soret Service de Médecine Nucléaire, AP-HP Sorbonne Université, Paris, France

Time-table

17th August 2022 Wednesday	Title	Description	Lecturer
8:00-9:00	Registration		
Morning chairs: Roberta Matheoud (IT), J. Ptacek (CZ)			
	The bases for a guideline on QC on PET/CT and PET/MR		
9:00-9:30	Introduction/scope	How to setup a simple and feasible QC program starting from a survey	Roberta Matheoud (IT)
9:30-10:00	Routine manufacturer QC	The so-called "Daily QC" on PET, CT and MR components	Roberta Matheoud (IT)
	Auxiliary equipment, PET, CT and MR QC		
10:00-10:20	Routine QC on the auxiliary equipments	Radionuclide calibrators, weighing scales	Roberta Matheoud (IT)
10:20-11:00	Routine QC	PET scanners	Roberta Matheoud (IT)
11:00-11:30	Routine QC	CT scanner	Marine Soret (FR)

11:30-12:00	Routine QC	MR scanner	Marine Soret (FR)
12:00-13:00	**Lunch break**		
	'Practical' QC sessions		
Afternoon chairs: Roberta Matheoud (IT)			
13:00-14:00	QC on the PET component /I	'Hands on' the QC on the PET scanner: tutorial video for phantom preparation and acquisition setup	Jaroslav Ptáček (CZ)
14:00-15:00	QC on the PET component/II	'Hands on' the QC on the PET scanner: tutorial video for image analysis with home made software	Jaroslav Ptáček (CZ)
15:00-16:00	QC on the CT/MR component	'Hands on' the QC on the MR/CT scanner:	Marine Soret (FR

Further information

Course language	English
Level	MPE – Level 8
Maximum number of participants	**50**
Duration	**17th August 2022**
Study load	6 hours of lectures and demonstrations