

ESMPE European School for Medical Physics Experts

Patient Specific QA in RT When/How/Analysis

16th June 2021, Torino, Italy (virtual)

This one day satellite meeting will be held in conjunction with the 3rd European Congress of Medical Physics. The vast majority of radiotherapy centers undertake some form of Patient Specific Quality Assurance (PSQA) for some or all patients undergoing advanced RT treatments. While there is some potential benefit in doing this, there are significant challenges in terms of resources required and in understanding the inherent assumptions and limitations of the different equipment and techniques used. This workshop is intended to first allow the participants to consider why we should (or should not) undertake PSQA. The faculty will then explore the main approaches to PSQA (pre-treatment, on-treatment and post-treatment). This exploration is intended to provide participants with an opportunity to examine the underlying assumptions, recognise the advantages and limitations of each approach and assess of the output from each.

The event will be accredited by EBAMP (European Board for Accreditation in Medical Physics) and is intended for practising clinical Medical Physicists who are involved in Radiation Oncology clinical routine.

Brendan McClean, Efi Koutsouveli (Scientific Chairs)

Alberto Torresin (Chair of the School)

Faculty	
Ben Heijmen	Erasmus MC Cancer Institute & Erasmus University, Rotterdam, The Netherlands
Nuria Jornet	Hospital de la Santa Creu i Sant Pau, Barcelona, Spain
Efi Koutsouveli	Hygeia Hospital, Hellenic Healthcare Group, Athens, Greece
Pat McCavana	St Luke's Radiation Oncology Network, Dublin, Ireland
Brendan McClean	St Luke's Radiation Oncology Network, Dublin, Ireland
Marlies Pasler	Lake Constance Radiotherapy Center Friedrichshafen, Germany

Time-table

	Session	Title	Description	Lecturer
8:00-9:00	Registration			
Morning session Chairs: Efi Koutsouveli/GR, Brendan McClean/IE				
9:00-9:30	Introduction	Opening of the Patient Specific QA in RT satellite event	Why are we here?	Brendan McClean/IE Efi Koutsouveli/GR
9:30-10:15		Individualized patient QA	What do we aim for and do we get it?	Ben Heijmen/NL
10:15-10:45	Coffee break			
10:45-11:30		Pre-Treatment verification	Patient Specific Dosimetric Measurement	Pat McCavana/IE
11:30-12:00			Discussion - Demonstrations	Panel
12:00-13:00	Lunch break			
Afternoon session Chairs: Ben Heijmen/NL, Brendan McClean/IE				
13:00-13:45		On-Treatment Verification	In vivo verifications and in vivo dosimetry: the ultimate safety net	Nuria Jornet/ES
13:45-14:15			Discussion - Demonstrations	Panel
14:15-14:30	Coffee break			
14:30-15:15		Post-Treatment verification	Log-File analysis in clinical practice	Marlies Pasler/DE
15:15-15:45			Discussion - Demonstrations	Panel
15:45-16:15			Point/counterpoint on each approach	Panel and Participants

Further Information

Course language	English
Level	MPE
Registration fee* (meal & coffee breaks)	50 € + VAT
Duration	16 th June 2021
Study load	6 hours of lectures and discussions
Venue	Virtual with live lectures
Information, programme at:	www.efomp.org
Registration	Electronic registration via www.ecmp2020.org

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