ESMPE European School for Medical Physics Experts

Out of field doses and associated risks of cancer in Radiotherapy

19th October 2023, Novi Sad, Serbia

The EFOMP in collaboration with EURADOS, the University of Novi Sad and the Serbian Association of Medical Physics (SAMP) would like to invite you to the next ESMPE in out of field doses and associated risks of cancer in Radiotherapy.

The school will be organized as a 1-day satellite Workshop on the 19th October before and in conjunction with the 11th Alpe Adria meeting, which will be held in Novi Sad, Serbia.

The school will be aimed at advanced tasks connected with patient dosimetry in Radiotherapy. The school will cover all the aspects related to the establishment of a programme of assessment of out-of-field doses during a radiotherapy treatment.

The event will be in a hybrid format. All lecturers will give their talks on-site in Novi Sad but participants can choose if they want to attend the school on-site or online.

This course has been accredited by EBAMP (European Board of Accreditation for Medical Physics) as a CPD event for Medical Physicists at EQF Level 8 and has been judged to have 6 hours of educational experience, (including 1 hour of interactive discussion) which, according to the EBAMP protocol is equivalent to 14 CPD points. It is intended for practicing clinical Medical Physicists who are involved in dosimetry in radiotherapy and in patient radioprotection. it will be live-streamed.

Content

Epidemiology of second cancer
Dosimetry of non target doses
Estimation of out-of-field doses
Out-of-field doses in pediatric patients
Contribution of imaging to out-of-field doses
Risk estimations in out-of-field doses

Organisers

Brendan McClean, (Chair of the School)

Marco Brambilla (EFOMP) and Liliana Stolarczyk EURADOS (Scientific Chairs)

Borislava Petrovic (SAMP), Efi Koutsouveli (EFOMP)

Faculty

Marco	Brambilla	University Hospital of Novara	Novara, Italy
Zeljka	Knezevic	Ruđer Bošković Institute	Zagreb, Croatia
Michail	Mazonakis	University of Crete	Iraklion, Greece
Brendan	Mc Clean	University of Dublin	Dublin, Ireland
Liliana	Stolarczyk	Aarhus University Hospital	Aarhus, Denmark

ESMPE

EURADOS

19th October 2023				
Time (CET)	**Session**	**Title**	**Description**	**Lecturer**
8:00-8.45	Registration			
8:45-9:00	Setting the scene		Presentation of the ESMPE and introduction to the course	B. McClean
9:00-9:30	Epidemiology	Epidemiology of second cancers after Radiotherapy	Review of current estimates of second cancer incidence after radiotherapy	M. Mazonakis (EFOMP)
9:30-10:30	Dosimetry	How to appropriately determine non target doses in radiotherapy	Water tanks – Slab phantoms vs Anthropomorphic phantoms. Farmer' chambers, TLDs, OLDs. Methodology and errors	L. Stolarczyk (EURADOS)
10:30-11:400	Coffee break			
11:00-12:00	Dosimetry	Out-of-field organ dose estimation	TPS, Analytical models, Monte Carlo method; Computational phantoms	B. McClean (EFOMP)
12.00-12.30		Discussion	Questions and Answers about the morning lectures	All Faculty
12:30-14:00	Lunch break			
14.00-14.50	Dosimetry	Non target doses in pediatric patients	Out-of-field doses in photon and proton therapy in case of paediatric patients – lessons learnt from Eurados intercomparisons	Z Knezevic (EURADOS)
14.50-15.40	Imaging	The contribution of imaging to non target doses	Imaging dose from diagnosis, staging, assesment of response and follow-up; Imaging dose from CBCT in RT	M. Brambilla (EFOMP)
15:40-16:10	Coffee break			
16.10-17.00	Risk estimation	Estimation of risk due to out-of-field doses in RT	How to estimate the risks from out-of-field organ doses	M. Mazonakis (EFOMP)
17.00-17.30		Discussion	Questions and Answers about the morning lectures	All Faculty

Српско удружење медицинских физичара

EFOMP

Course language	English
Level	Medical Physics Expert
Registration fee	Free for the registered participants the 11th Alpe Adria Meeting
Registration fee includes	Conference materials Welcome cocktail Coffee breaks Symposium dinner
Number of onsite participants Number of online participants	100 No limit
Duration	19th October 2023
Study load	6 hours of lectures
Venue	University of Novi Sad
GPS coordinates	
Accommodation	Individual
Information, programme at:	EFOMP website
Registration	Electronic registration via ALPEADRIA website
Registration period	01/04/2023-18/10/2023

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