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 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 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 (Scientifc Chairs)
Borislava Petrovic (SAMP), Efi Koutsouveli (EFOMP)
# Faculty

<table>
<thead>
<tr>
<th>Name</th>
<th>Surname</th>
<th>Institution</th>
<th>Location</th>
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<tbody>
<tr>
<td>Marco</td>
<td>Brambilla</td>
<td>University Hospital of Novara</td>
<td>Novara, Italy</td>
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<tr>
<td>Zeljka</td>
<td>Knezevic</td>
<td>Ruđer Bošković Institute</td>
<td>Zagreb, Croatia</td>
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<tr>
<td>Michail</td>
<td>Mazonakis</td>
<td>University of Crete</td>
<td>Iraklioncil, Greece</td>
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<tr>
<td>Brendan</td>
<td>Mc Clean</td>
<td>University of Dublin</td>
<td>Dublin, Ireland</td>
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<tr>
<td>Liliana</td>
<td>Stolarczyk</td>
<td>Aarhus University Hospital</td>
<td>Aarhus, Denmark</td>
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<tr>
<td>Time (CET)</td>
<td>Session</td>
<td>Title</td>
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<tr>
<td>8:00-8.45</td>
<td>Session</td>
<td>Registration</td>
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<tr>
<td>8:45-9:00</td>
<td>Setting the scene</td>
<td>Epidemiology of second cancers after Radiotherapy</td>
<td>Presentation of the ESMPE and introduction to the course</td>
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<tr>
<td>9:00-9:30</td>
<td>Epidemiology</td>
<td>How to appropriately determine non target doses in radiotherapy</td>
<td>Review of current estimates of second cancer incidence after radiotherapy</td>
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<td>9:30-10:30</td>
<td>Dosimetry</td>
<td>Out-of-field organ dose estimation</td>
<td>Water tanks – Slab phantoms vs Anthropomorphic phantoms. Farmer’ chambers, TLDs, OLDS. Methodology and errors</td>
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<td>10:30-11:40</td>
<td>Coffee break</td>
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<tr>
<td>11:00-12:00</td>
<td>Dosimetry</td>
<td>Non target doses in pediatric patients</td>
<td>Out-of-field doses in photon and proton therapy in case of paediatric patients – lessons learnt from Eurados intercomparisons</td>
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<td>12:00-12:30</td>
<td>Discussion</td>
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<td>Questions and Answers about the morning lectures</td>
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<td>12:30-14:00</td>
<td>Lunch break</td>
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<td>14:00-14.50</td>
<td>Dosimetry</td>
<td>The contribution of imaging to non target doses</td>
<td>Imaging dose from diagnosis, staging, assessment of response and follow-up; Imaging dose from CBCT in RT</td>
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<td>14.50-15.40</td>
<td>Imaging</td>
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<td>15.40-16:10</td>
<td>Coffee break</td>
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<td>16.10-17.00</td>
<td>Risk estimation</td>
<td>Estimation of risk due to out-of-field doses in RT</td>
<td>How to estimate the risks from out-of-field organ doses</td>
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<td>17.00-17.30</td>
<td>Discussion</td>
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<td>Questions and Answers about the morning lectures</td>
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<td>Registration fee</td>
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<td>Registration fee includes</td>
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<td>Welcome cocktail</td>
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<td>Symposium dinner</td>
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<tr>
<td>Number of onsite participants</td>
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<td>Number of online participants</td>
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<td>Study load</td>
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<td>University of Novi Sad</td>
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<td>Accommodation</td>
<td>Individual</td>
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<td>Information, programme at:</td>
<td>EFOMP website</td>
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<td>Registration</td>
<td>Electronic registration via ALPEADRIA website</td>
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