

Joint ICTP-IAEA Workshop on Risk Assessment in Advanced Radiotherapy Techniques



22 February - 5 March 2021
An ICTP-IAEA Virtual Meeting
Trieste, Italy

Further information:
<http://indico.ictp.it/event/9444/>
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The workshop aims to enhance knowledge on performing retrospective and prospective risk analysis and managing unintended and accidental patient exposure in advanced radiotherapy techniques, thus contributing to strengthening patient safety while delivering high quality radiotherapy services.

Participants to the workshop should complete the web based training Safety and Quality in Radiotherapy <https://www.iaea.org/resources/rpop/resources/online-training#2>

Description:

It is estimated that 50-60% of patients with cancer would benefit from radiotherapy. Expanding radiotherapy into areas with limited current access and introducing new more effective treatment techniques has the potential to save a great number of lives, but it is mandatory that the expansion is done with safety in mind, considering the complexity of this high-technology treatment modality and the potential for serious consequences when something goes wrong.

The workshop would seek to target experienced medical physicists working in radiotherapy departments in hospitals. The workshop is particularly relevant to participants coming from hospitals intending to introduce new radiotherapy techniques. Participants will become acquainted with their international peers and will have a unique opportunity to establish links for their mutual support.

Topics:

- Link between quality and safety in radiotherapy
- Factors responsible for the safe delivery of radiotherapy services
- Lessons learned from radiotherapy incidents and accidents that have occurred in the past
- Potential incidents in IMRT, SBRT, IGRT, IORT, 3D brachytherapy, etc.
- Reporting and learning from unintended events
- IAEA safety reporting and learning system SAFRON
- Measures to prevent unintended and accidental exposure
- Methods for retrospective and prospective risk analysis
- Distribution of responsibilities for patient safety
- Radiation safety culture

Directors:

D. Gilley, IAEA
J. Vassileva, IAEA

Local Organizer:

R. Padovani, ICTP

Lecturers:

E. FORD, AAPM, USA
N. JORNET, ESTRO, Spain
B. MCCLEAN, EFOMP, Ireland

How to apply:

Online application:
<http://indico.ictp.it/event/9444/>

Female scientists are encouraged to apply.

Registration:

There is no registration fee

Deadline:

31 January 2021



Endorsed by
ESTRO



The Abdus Salam
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for Theoretical Physics**
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