



PHYSICS

Clinical translation of CT innovations in radiation oncology: opportunities, requirements and standardisation

Chairs: Vicki Taasti, Patrick Wohlfahrt and Thomas Bortfeld

What is the topic of this workshop?

We will focus on CT imaging for photon and proton treatment planning as well as tumour and organ segmentation. In particular, the standardisation of CT commissioning and calibration as well as the clinical translation of CT innovations into daily practice, e.g. dual-energy CT, will be discussed in detail.

Why should I sign up to this workshop?

If you are interested in CT imaging for radiation oncology, you have already gathered CT experience in a clinic or research institute and you have always wanted to exchange your clinical experiences, challenges and desires within an interdisciplinary group of medical physicists, radiation oncologists and industry partners, so you should probably not miss this opportunity. We look forward to your active participation in our workshop.

What do you expect the outcome of the workshop will be?

We aim to:

- (a) specify technical requirements and standardisation guidelines for CT in radiation oncology;
- (b) provide recommendations on CT commissioning, calibration, quality assurance and implementation of CT innovations;
- (c) assemble an international expert group to facilitate the widespread clinical implementation of CT innovations; and
- (d) write a joint white paper and establish future research collaborations.



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