



**ESTRO**  
**SCHOOL**  
**2025**

LIVE  
COURSE

# Advanced Skills in Modern Radiotherapy

19-23 October 2025 | Kraków, Poland

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**Do you want to expand your skills and knowledge of modern radiotherapy? This course offers a comprehensive overview of recent developments across the whole radiotherapy pathway and is designed to have a direct impact on your clinical practice, whatever your level of expertise.**



## Target group

This course is primarily aimed at radiation therapists (RTTs), but we acknowledge that the role individual disciplines take can vary internationally, and working in multidisciplinary teams is increasingly important in modern radiotherapy. We welcome all other members of the multidisciplinary team, especially medical physicists and radiation oncologists to the course too and would encourage you to look at the course programme to determine its suitability.

## Course Aim

The aim of the course is to give an overview of the modern radiotherapy pathway, and the time to develop the tools and skills required to implement these techniques in your own clinic. This will be covered in the form of lectures, clinical cases and workshops, including sessions where you will be able to get hands on experience using clinical IGRT systems.

## Course Content

- Pre-treatment imaging modalities: what is available and how is it used in target definition and organ at risk delineation? This includes what to consider with AI auto segmentation
- Patient preparation and immobilisation: what is (im)possible, and is it still important in modern radiation therapy?
- Geometrical uncertainties and correction strategies: what are the uncertainties in modern radiation therapy and how do correction strategies affect PTV margins? How to calculate your own margins (workshop)
- Update on advances in radiotherapy treatment planning
- Imaging modalities in the treatment room: what is available and how can it be used to find the target volume?
- Image registration and evaluation: how to make the best use of the images at hand - is it always just finding the target volume?
- Understanding algorithms, regions of interest, correction reference points: how to create protocols for IGRT management (workshops and hands-on)
- Site specific advanced treatment and IGRT techniques as well as adaptive strategies
- Surface guided radiotherapy and what this offers to the radiotherapy pathway
- Safety issues: the importance of incidence reporting and a feedback loop
- Implementing and managing advanced treatment techniques: how to implement new gained skills in your department in a multidisciplinary environment and what impact might AI have on future clinical practice?

