



CONFERENCES

Online teaching course in particle therapy (October/November 2023)

For several years, the German Cancer Research Center in Heidelberg (Germany) has successfully offered courses in the field of particle therapy. The courses are organised under the auspices of the Heidelberg Institute of Radiation Oncology in close cooperation with the Heidelberg Ion-Beam Therapy Center (HIT) as well as the University Hospital Heidelberg.

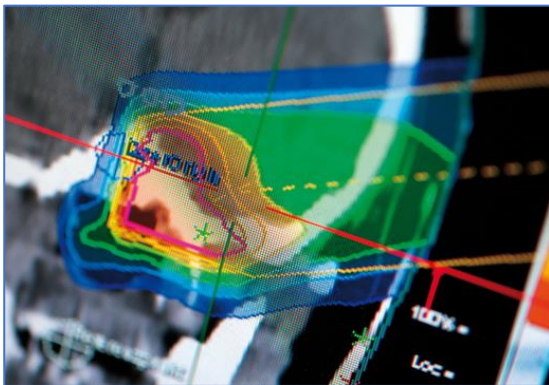


Figure 1: A typical particle therapy treatment plan, showing the distinct dose drop-off at the distal end

The **online teaching course in particle therapy** (course type 3) is aimed at national and international scientists, radiation oncologists, medical physicists and students or post-docs who would like to gain a deepened understanding of the physics of particle therapy and its clinical application. FLASH radiotherapy with particles will be introduced.

The course is subdivided into an **online phase** of about five weeks (9 October to 19 November) and a **live online phase** via **Zoom** on 21 and 22 November (starting at 4 pm CET), 24 November (starting at 12.30 pm CET) and 25 November (starting at 8.30 am CET). During the online phase, participants have access to the virtual learning platform Moodle with learning materials such as pre-recorded video lectures, PDF scripts and short tasks to work on in small groups. The live online phase provides interactive sessions that will cover case-based scenarios or discussions of the pros and cons of treatment as well as live lectures. This phase enables exchange between our experts and the participants to strengthen collaboration and the progress of each learner.

As the site of one of the largest radiation therapy centres in Europe, HIT, with its isocentric gantry and staff with many years of experience in online-enhanced or hybrid teaching settings, Heidelberg is an excellent place for the further education of physicians, physicists and young scientists.

Dates:

1. Registration deadline: **25 September**
2. Online phase: **9 October-19 November**
3. Live online phase via Zoom: **21-22 and 24-25 November**

Programmes and further information: www.dkfz.de/particle_course_en

Course leaders:



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