Contribution ID: **74**   Type: **not specified**

Imaging for particle therapy treatment planning

Tuesday, December 14, 2021 8:30 AM (1 hour)

Imaging for particle therapy treatment planning
The lecture will focus on tomographic imaging for particle therapy treatment planning, with special emphasis on the prediction of the stopping power ratio S(PR) as prerequisite for accurate range calculation. This knowledge is valid for both: Treatment planning before therapy start and for plan adaptations. Special emphasis will be on the application of Dual-Energy CT for direct SPR prediction. Furthermore, the pros and cons of MRI will be covered.

Presenter: RICHTER, Christian (OncoRay - National Center for Radiation Research in Oncology)