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Clinical needs in adaptive therapy

Monday, December 13, 2021 12:00 PM (1 hour)

Clinical needs in adaptive therapy

This presentation will provide an overview on the evolution of photon radiotherapy from a clinical perspective. Modern technology permits highly precise dose shaping with a corresponding improvement of normal tissue complications. It also enables new approaches such as extremely hypofractionated treatment courses. This higher precision of the therapy also requires higher precision in imaging and positioning, as smaller margins and a lower number of fractions reduces treatment robustness. Adaptive radiotherapy plays an increasingly central role in this process –the available in-room imaging technology permits a feedback loop over the course of therapy to adapt highly conformal treatment plans to a changing anatomy.

Presenter: RICARDI, Umberto (Full Professor and Chairman of Radiation Oncology at University of Turin, Italy.)