

Conference: principles, present and futur goals of anti-cancer radiotherapy

Sunday, September 8, 2024 9:30 PM (1h 30m)

Cancer radiotherapy is a locoregional treatment of cancer using physical processes. Its place has continued to be consolidated for more than a century with very rapid technological developments in recent years driven by the evolution of the possibilities of medical imaging and faster and more accurate dose calculations. It has continuously developed in close association with surgery and systemic cancer treatments and its current evolution remains characterized by this therapeutic cooperation aiming to cure cancer. The current objectives are to continue to increase cure rates while reducing toxicities which remain significant in the medium and long term and represent a limiting element of this therapy. Furthermore, in the era of personalization of care, the anatomical and dosimetric adaptation to the tumor which has always existed for radiotherapy must today integrate other dimensions such as the radio sensitivity of tumors, the radio sensitivity of patients, and the objective choice of different technical treatment possibilities. These different aspects from the basic principle of radiotherapy to the objectives for the years to come will be presented in this conference

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