

Particle radiation therapy: the promise, the current status, the perspectives

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The clinical development of radiation oncology has been historically connected to particle accelerator development and availability. In hadrontherapy this statement is even more true even considering complexity and cost investment. In this contribution will be presented the history of particle accelerator for hadrontherapy together with their actual status . In order to have a wider application of this clinical approach, it will presented the possible future accelerator development having as main goal their cost and size reduction maintaining and improving the clinical performance nowadays available.

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