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# Radiotherapy for rare primary brain tumors

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## Abstract

Rare central nervous system tumors are defined by an incidence rate of less than 6 cases per 100 000 individuals a year. It comprises a large panel of entities including medulloblastoma, glioneuronal tumors, solitary fibrous tumors, rare pituitary tumors, ependymal or embryonal tumors. The management of these tumors is not clearly defined and radiotherapy indications should be discussed at a multidisciplinary board. Image-guided and intensity-modulated radiation therapy should be proposed and MRI has a fundamental place in the treatment preparation. To avoid the occurrence of side effects, proton therapy is playing an increasingly role for the treatment of these tumors.

**Keywords:** Brain; Cerveau; Craniopharyngioma; Craniopharyngiome; Ependymoma; Medulloblastoma; Médulloblastome; Protontherapy; Protonthérapie; Radiotherapy; Radiothérapie; Rare CNS tumors; Tumeurs rares du SNC; Épendymome.

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