Case report

A case report of stereotactic radiosurgery in a patient with Ehlers–Danlos syndrome

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Abstract

In this report, we outline the case of a patient who has Ehlers–Danlos Syndrome (EDS) who received two courses of CyberKnife stereotactic radiosurgery (SRS) for metastatic non-small cell lung cancer. Patients with EDS have increased blood vessel fragility, and therefore are subject to increased risk of bleeding. There are no published data regarding the risks of hemorrhage associated with SRS for intracranial metastases in this patient population. The patient described in this case report had two courses of SRS for two sites of brain metastases. She tolerated treatment well, with no acute toxicity and good local control to date. We have also included a discussion of published literature regarding toxicity of intracranial radiation in patients with EDS.

Keywords

Radiosurgery; CyberKnife; Ehlers–Danlos syndrome