

Intra-Arterial Chemotherapy for Rhabdomyosarcoma: Case Report

Abstract

We report a case of a boy with parameningeal rhabdomyosarcoma that recurred despite chemotherapy and proton radiation and was subsequently treated with targeted intra-arterial (IA) chemotherapy. IA chemotherapy showed encouraging results, with partial response by imaging and symptom relief. However, ablation of the internal maxillary artery supplying the tumor resulted in terminating IA chemotherapy. There are clear potential advantages of IA chemotherapy in terms of increasing intratumoral chemotherapy concentration while minimizing systemic toxicity. While current clinical trial evidence is limited, further research could prove IA chemotherapy to be a promising treatment modality for some localized solid tumors.