

Shreyas Thiruvengadam

Sir Char
Australia

Metastatic intradural primary spinal Osteosarcoma: A case report

Abstract:

Background: Osteosarcomas are a common primary bone neoplasm amongst adolescents and possess a significant metastatic potential culminating in treatment resistance and poor prognosis. Herein presented is the first documented case of lumbosacral intra-dural metastasis of a primary osteosarcoma in a young patient, possibly via intra-dural dissemination following pinhole durotomy in a prior thoracic spondylectomy.

Conclusion: Osteosarcomas remain a difficult pathology to treat, particularly upon metastatic dissemination. The utility of adjuvant radiotherapy following surgical resection of osteosarcomas is increasingly evident in the reduction of local recurrence. In the context of intra-operative pinhole durotomies in resections of high-grade lesions, due consideration should be given to whole spine radiation, although this remains to be an evidence-free zone.

Biography

S Thiruvengadam is currently a surgical registrar working in the Western Australian Neurosurgery State-wide service, and has a special interest in Neuro-oncology. Having worked previously towards developing novel epigenetic therapeutics for triple negative breast cancer, he seeks to employ its utility in the treatment of neurological malignancies previously doomed to be of poor prognoses.