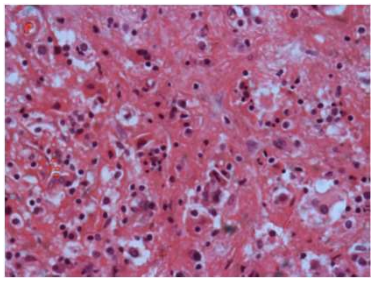
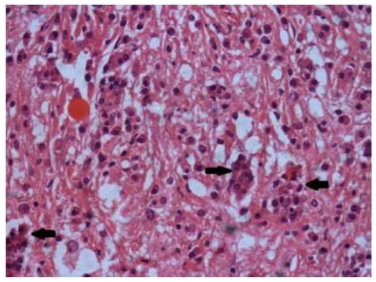




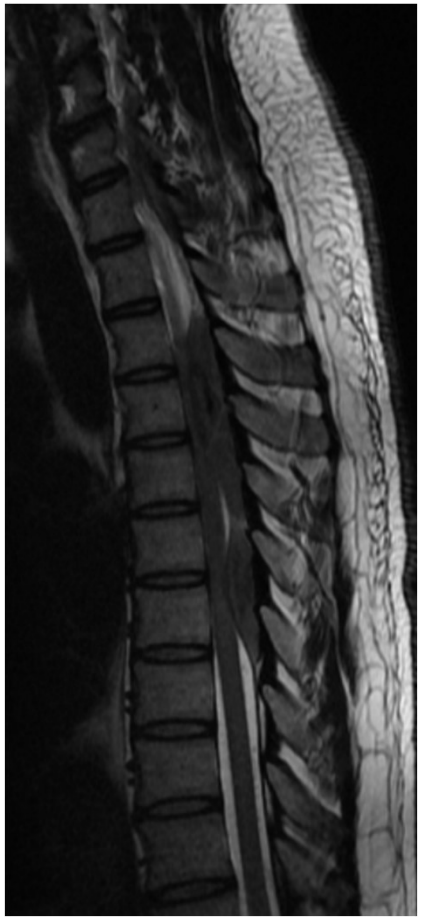
ISOLATED EPIDURAL EXTRA-NODAL ROSAI-DORFMAN DISEASE OF CERVICO-THORACIC SPINE- A CASE REPORT

Dr Shaffaf Abdul Kareem, Dr Apoorv Aggarwal, Dr Vidyadhara.S

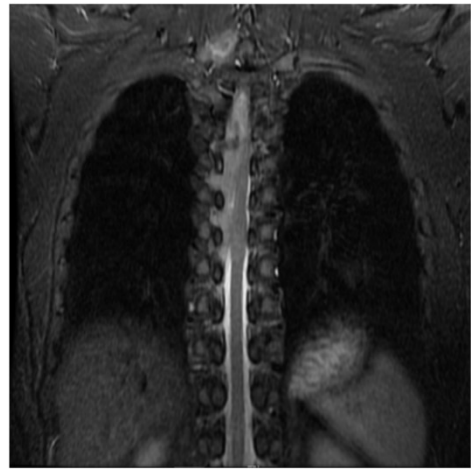
INTRODUCTION

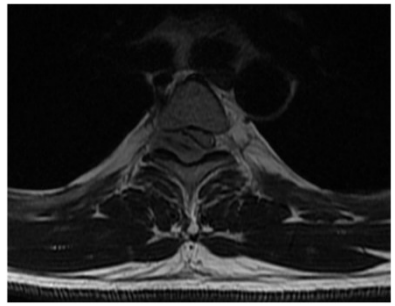
- **Rosai-Dorfman-disease**(RDD)[sinus histiocytosis+massive lymphadenopathy]
- Non-neoplastic lymphoproliferative disorder [1].
- Commonly presents with -> painless massive cervical lymphadenopathy with fever and weight loss.
- Extranodal involvement -> in around 40% of patients [2].
- Isolated extranodal disease involvement -> uncommon.
- Extranodal involvement of the nervous system is unusual.
- Isolated CNS disease without lymph node involvement is distinctly rare.

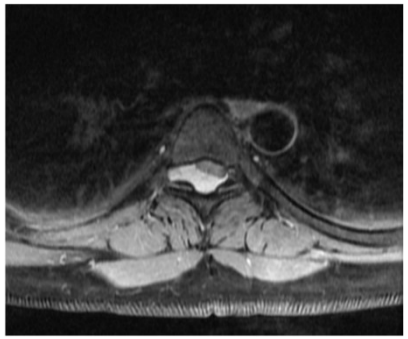
CASE PRESENTATION



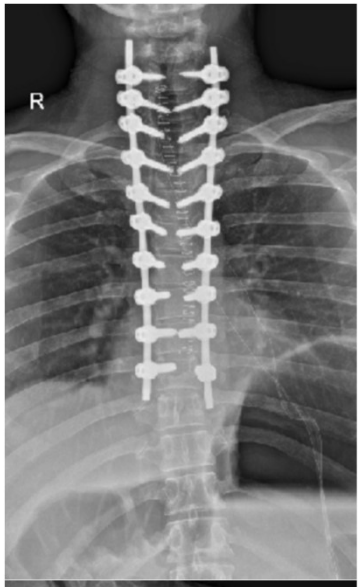
- 35-year-old man
- C/O upper back pain and paraparesis of 2 months duration
- Contrast MRI revealed an enhancing epidural mass lesion from C6-T7 suggestive of a primary epidural spinal cord tumor
- The lesion was completely resected and postero-lateral fusion C6-T8 was performed

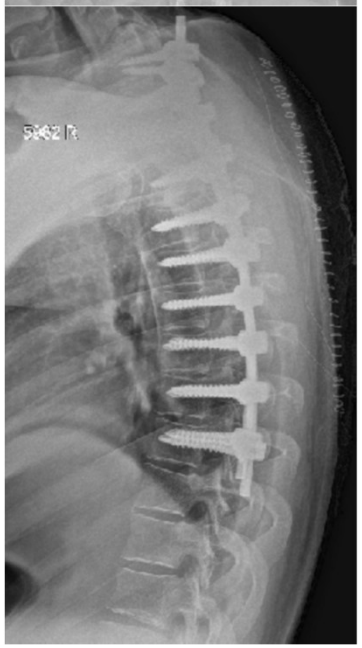




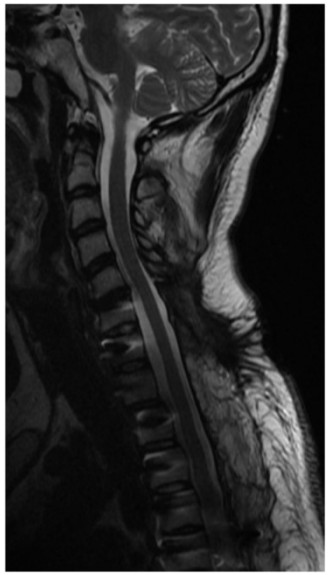


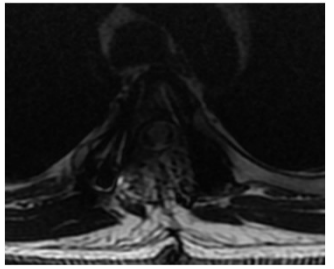
RESULT

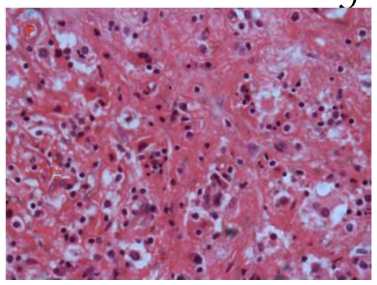


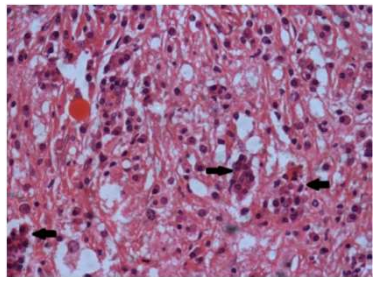


- BIOPSY- isolated extranodal RDD
- Chemotherapy given after healing of surgical site
- Complete resolution of neurology with significant improvement in gait seen at last follow-up (2-years post-surgery)
- Repeat radiological investigations-> complete resolution of the disease.









CONCLUSION

- RDD with spinal involvement is rare and is often a diagnostic challenge
- Histopathological characteristics and immuno-histochemical findings are the key for the diagnosis of this rare disease
- Resection of the lesion takes off the compression over the cord and hence, is the primary line of management of this disease
- This case serves as a reference in diagnosing and managing a patient of RDD

REFERENCES

1. Rosai J, Dorfman RF. Sinus histocytosis with massive lymphadenopathy. A newly recognized benign clinicopathological entity. Arch Pathol 1969;87:63–70.
2. Al-Saad, K., Thorner, P., Ngan, B., Gerstle, J., Kulkarni, A., Babyn, P., Grant, R., Read, S., Laxer, R. and Chan, H. ExtranodalRosai-Dorfman Disease with Multifocal Bone and Epidural Involvement Causing Recurrent Spinal Cord Compression. Pediatr Dev Pathol. 2005 Sep-Oct;8(5):593-8.