



Navigating Challenges in Skull Base Chondrosarcomas

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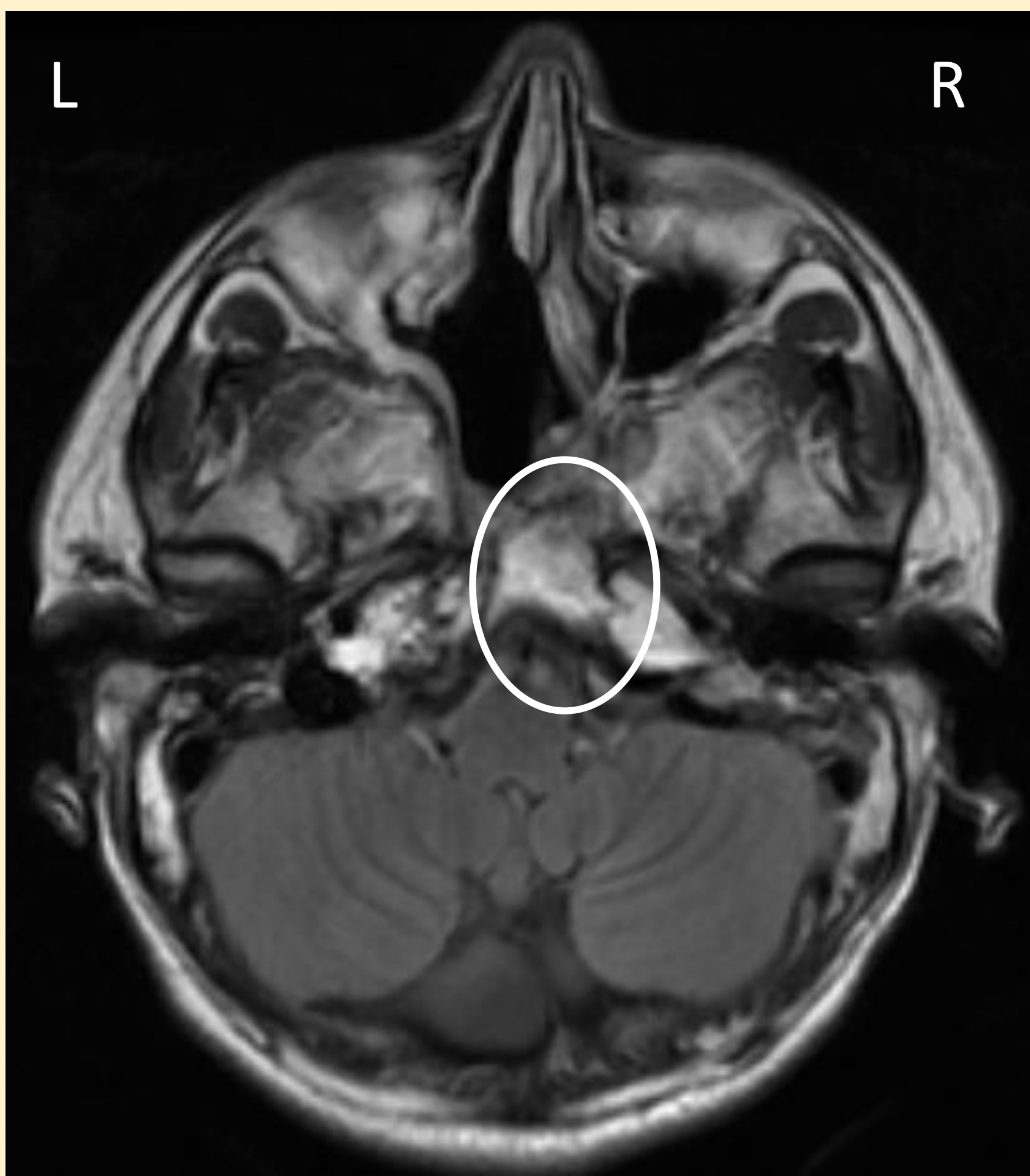
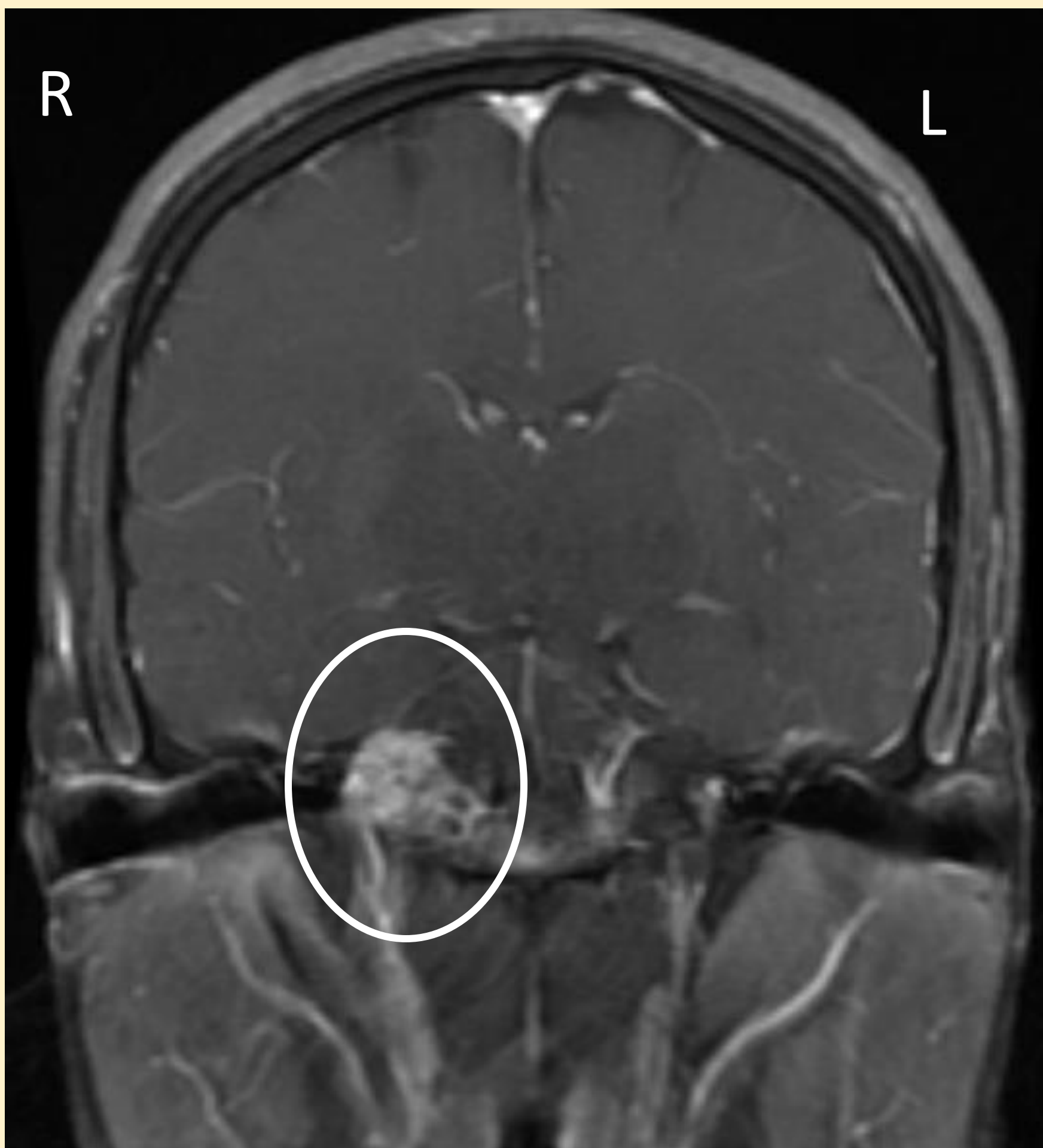
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Skull Base Chondrosarcoma, is a rare malignant tumour that develops from the cartilage of the skull base, most commonly at the petro-clival junction. Surgery followed by adjuvant radiotherapy is the treatment of choice for these tumours.

Introduction:

- Chondrosarcomas of the the skull base is a relatively rare tumour.
- They are slow growing but locally aggressive.
- Patients present with signs and symptoms of mass effect on adjacent structures .
- **Case Details:** We had this 25-year-old male patient with recently detected hypertension.
- Presented with c/o headache and double vision of 1-month duration.
- On examination, the sixth Cranial nerve palsy was noted. The rest of the CNS examination was essentially normal.

Imaging



Surgery:

- Endoscopic endonasal resection was performed under General Anaesthesia.
- Reformatting of the imaging was done and intraoperative Navigation assistance was used during the surgery.
- The surgery was uneventful.
- We were able to perform a gross total resection.
- The final Histopathology was Grade II chondrosarcoma.
- Patients Received IMPT (70.2 CGE/39#/8 weeks).

Learning Points:

- Importance of proper surgical planning to access a challenging region in the skull base.
- Use of imaging (CT and MRI) its reformatting for intraoperative navigation.

Reference: Palmisciano P, Haider AS, Sabahi M, et al. Primary Skull Base Chondrosarcomas: A Systematic Review. Cancers (Basel). 2021 Nov 26;13(23):5960.

Video Link

