CASE REPORT

Chondrosarcoma of the sphenoid sinuses and skull base

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ABSTRACT

OBJECTIVE: Sphenoidal chondrosarcoma is an uncommon malignant lesion with approximately 50 cases previously reported in the medical literature. Surgical excision is usually sufficient for low-grade lesions, whereas a combination between surgical and adjuvant therapy is usually recommended for high-grade lesions.

MATERIAL AND METHODS: The authors present a case of a 60-years-old woman with a chondrosarcoma arising in the sphenoid sinus extended to the nasal septum and skull base.

RESULTS: The diagnostic and therapeutic algorithm is presented.

CONCLUSIONS: We decided for a transnasal endoscopic approach with a subtotal resection due to the fact that the clivus and the internal carotid artery and optical nerve were involved. Postoperative adjuvant treatment was recommended (radiotherapy and chemotherapy). There was no evidence of local recurrence two year after therapy, but at 25 months postoperative, the patient developed multiple bony metastasis.

KEYWORDS: chondrosarcoma, endoscopic resection, sphenoid sinus.

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