

Clinical Image

Clival Invasion by Giant Prolactinoma

Belfquih H*, El Mostarchid B

Department of Neurosurgery, Mohammed V Military Teaching Hospital, Morocco

***Corresponding author:** Hatim Belfquih, Department of Neurosurgery, Mohammed V Military Teaching Hospital, N°273, Hay Al Khiam III, Temara, Morocco

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A 35-year-old man presented with complaints of generalized headaches and worsening vision in both eyes. Magnetic resonance imaging showed a massive sellar tumor with suprasellar, cavernous sinuses, sphenoid and ethmoid air sinuses extension (Figure 1A, B and C). It also invaded the clivus and was present anterior to it and in the extradural space anterior to the brainstem (Figure 1A and C). Endocrinological evaluation showed high serum prolactin level to 2507ng/ml. A transsphenoidal surgery was performed, the tumor was partially resected. At Histological examination, the tumor cells showed infiltration into the bony trabeculae. At follow-up after 1 year, the patient showed marked improvement in the vision with no radiological progression.

Giant prolactinomas causing invasion of clivus is extremely rare. Clival invasion was associated with a lower rate of complete resection, a higher rate of operative complications, and a higher rate of recurrence [1,2].

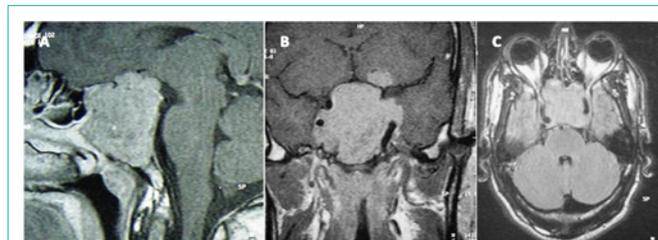


Figure 1:

References

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