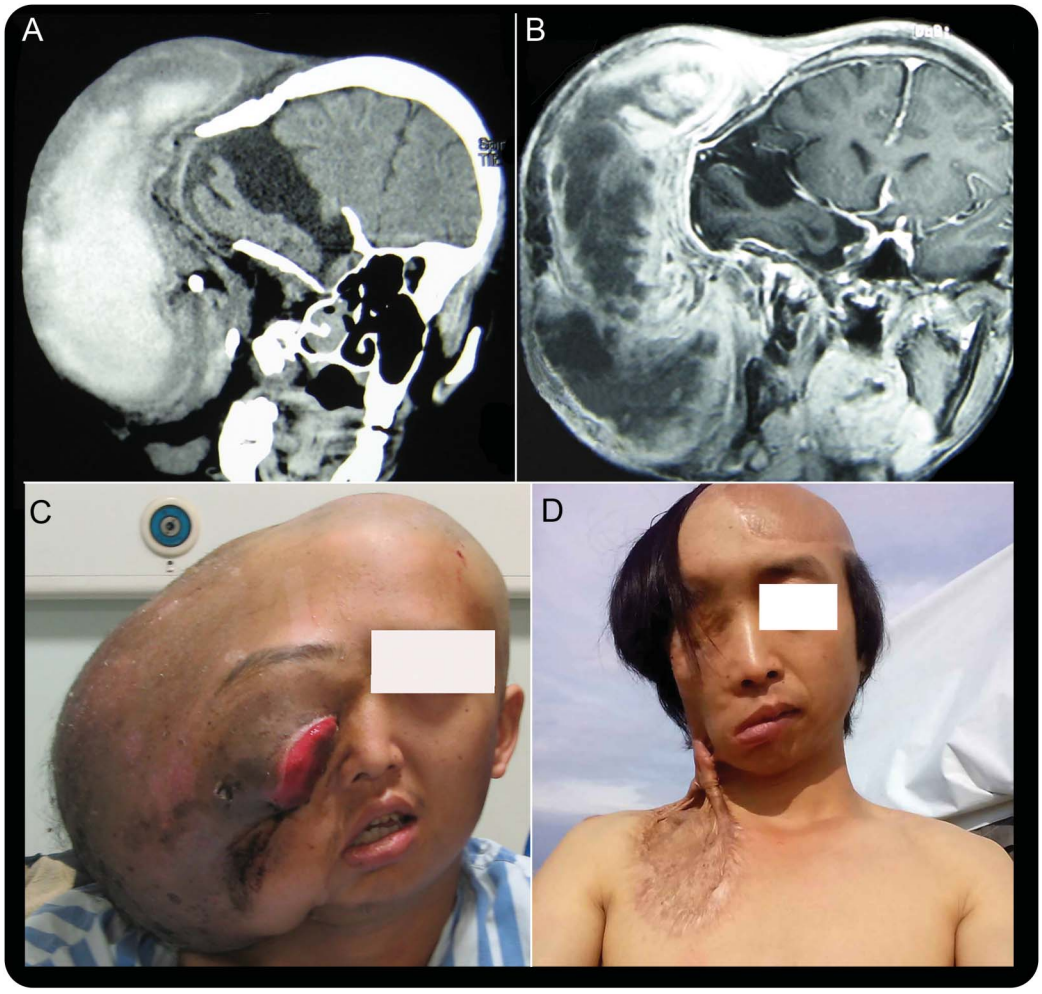
Multidisciplinary treatment of a giant craniofacial neurofibroma with intratumoral hemorrhage

Figure Giant craniofacial neurofibroma



(A) Preoperative CT shows sphenoidal wing dysplasia and defects of cranial bone. (B) Preoperative MRI shows the giant lesion with intratumoral hemorrhage. (C) Preoperative image of the patient. (D) Image of the patient 6 years after surgery.

A 19-year-old man presented with a rapidly growing right craniofacial lump and headache for 9 days, with vision loss in the right eye and no other manifestation of neurofibromatosis or neurologic disturbance. Imaging revealed a giant lesion with intratumoral hematoma and adjacent bone dysplasia (figure, A and B). The tumor and the involved right eye (figure, C) were removed following preoperative embolization. The wound was repaired using dorsal and lateral cervicothoracic flap grafting. Pathologic examination revealed a neurofibroma without malignant transformation.[1] Solitary giant craniofacial neurofibromas with intratumoral hemorrhage are rare and require multidisciplinary care[2] for optimal outcome (figure, D). Early intervention is preferable.

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