

Osteoblastoma

Osteoblastoma is an uncommon osteoid tissue-forming primary neoplasm of the bone.

It has clinical and histologic manifestations similar to those of osteoid osteoma; therefore, some consider the two tumors to be variants of the same disease, with osteoblastoma representing a giant osteoid osteoma. However, an aggressive type of osteoblastoma has been recognized, making the relationship less clear.

Although similar to osteoid osteoma, it is larger (between 2 and 6 cm).

see [Spinal osteoblastoma](#).

Case reports

A 3-year-old girl presenting with a 6-month history of a supraorbital mass and exophthalmos due to an osteoblastoma of the frontal and ethmoid bones involving the orbit and anterior skull base. A 3D printed model of the patient's skull was used for the preoperative planning and reconstruction strategy. Total en-bloc resection of the tumor followed by immediate reconstruction was achieved. No recurrence was detected 3 years after the surgery. Gross total resection is strongly advised with skull osteoblastoma, especially in young age, because of the risk of recurrence and malignant transformation. 3D printing is proven to be a valuable tool to enhance surgical performance by avoiding complications while achieving total resection with accurate reconstruction. Long-term follow-up is important to detect recurrences and improve the management of these young patients ¹⁾.

¹⁾

Garvayo M, Cossu G, Broome M, Maeder P, Renella R, Maduri R, Daniel RT, Messerer M. Pediatric cranial osteoblastoma: Technical note of surgical treatment and review of the literature. *Neurochirurgie*. 2020 Oct 10;S0028-3770(20)30402-1. doi: 10.1016/j.neuchi.2020.05.010. Epub ahead of print. PMID: 33049284.

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