

Frontal sinus osteoma

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see also [Paranasal sinus osteoma](#).

Osteoma is the most common [benign tumor](#) of the [nose](#) and [paranasal sinuses](#), and the [frontal sinus](#) is its most frequent location. This tumor may be discovered incidentally on [radiographs](#) or may enlarge to produce [symptoms](#) and, rarely, [complications](#) referable to its location near the [orbit](#) and anterior [cranial vault](#).

[Frontal sinus osteoma surgery](#).

Case reports

No [report](#) has mentioned [osteomas](#) in blood supply on [MRI](#). A 57-year-old male patient presented with a prolonged declined activity and a gigantic [bone tumor](#) that originated from the [frontal sinus](#), which markedly compressed the bilateral [frontal lobe](#). MRI revealed a slightly enhanced front basal part of the tumor by [gadolinium](#), with blood supply from the [ethmoidal artery](#). The patient underwent surgery, and the diagnosis of [osteoma](#) was made based on histological findings. Watanabe et al. reported a case of giant osteoma originating from the [frontal sinus](#) with unusual blood supply on 4-dimensional [MR angiography](#) ¹⁾.

A 57-year-old male patient presented with a prolonged declined activity and a gigantic osseous tumor that originated from the frontal sinus, which markedly compressed the bilateral frontal lobe. MRI revealed a slightly enhanced front basal part of the tumor by gadolinium, with blood supply from ethmoidal arteries. The patient underwent surgery, and the diagnosis of osteoma was made based on histological findings. We reported a case of giant osteoma originating from the frontal sinus with

unusual blood supply on 4-dimensional MR angiography ²⁾

¹⁾

Watanabe N, Tsurubuchi T, Amano T, Sugii N, Sakamoto N, Matsuda M, Takano S, Ishikawa E. [Frontal sinus](#) giant [osteoma](#) with radiologically unusual component suggesting [blood](#) supply: A [case report](#). Radiol Case Rep. 2022 Nov 26;18(2):567-571. doi: 10.1016/j.radcr.2022.11.016. PMID: 36457794; PMCID: PMC9705602.

²⁾

Gima E, Qamil S, Izzati A, Ismail F, Md Shukri N. Endoscopic Excision of Frontal Recess Osteoma in a Patient With Nasal Polyposis. Cureus. 2022 Aug 24;14(8):e28362. doi: 10.7759/cureus.28362. PMID: 36168336; PMCID: PMC9508323.

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