

Subdural osteoma

Subdural [osteomas](#) are benign [neoplasms](#) that are rarely encountered.

Case reports

Yang et al., report the case of a 64-year-old female patient with a left temporal subdural osteoma.

The patient presented with intermittent [dizziness](#) that first began two years earlier. Non-contrast [computed tomography](#) revealed a densely calcified left temporal extra-axial mass. [Magnetic resonance imaging](#) of the lesion revealed signal loss on [T1-weighted](#) and [T2-weighted](#) images and non-enhancement on [Gadolinium](#) enhanced T1-weighted images, and [Diffusion weighted magnetic resonance imaging](#) and [ADC](#) images demonstrated reduced values attributed to calcium-induced signal loss. Histologically, the lesion predominantly consisted of lamellar bone without bone marrow elements. The patient underwent stereotactic magnetic resonance imaging-guided neurosurgical resection and recovered without complication.

Subdural osteomas may not be enhanced on magnetic resonance imaging. Surgical tumourectomy can be considered for symptomatic patients with subdural osteomas ¹⁾.

A 29-year-old female presented with a 3-year history of headaches. Computed tomography scan revealed a homogeneous high-density lesion isolated from the inner table of the frontal bone (a lucent dural line) in the right frontal convexity. Magnetic resonance imaging revealed an extra-axial lesion with a broad base without dural tail sign and punctate enhancement pattern characteristic of abundant adipose tissue. Upon surgical excision, we found a hard bony mass clearly demarcated from the dura. The mass displayed characteristics of an osteoma upon histological examination. The symptom was relieved after operation ²⁾.

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