

A 32-year-old man presented with a history of intermittent headaches. ~~On~~~~e~~Examination ~~revealed normal~~; visual acuity ~~was normal~~ and no neurological deficit ~~was seen~~. ~~Magnetic~~ ~~Brain magnetic~~ resonance imaging (MRI) ~~brain scan was performed for further evaluation~~ ~~and~~ revealed a well-defined, curvilinear T1₂- and T2₂-hyperintense lesion (~~measuring 1.2~~~~x~~0.4 cm) in the superior half of the cerebellar vermis. ~~It~~ ~~that~~ appeared hypointense on T1 fat-saturated images, suggestive of fat content (Figure 1). No evidence of any mass effect or hydrocephalus was ~~seen~~~~observed~~. These findings were suggestive of vermian lipoma. Superior vermian hypoplasia was also detected; ~~but~~ ~~however~~, the corpus callosum was normal. No other abnormality was ~~seen~~ ~~observed~~ on ~~the brain~~ MRI ~~brain scan~~. Intracranial lipomas represent ~~a~~ congenital malformations ~~resulting from~~ ~~with~~ the abnormal differentiation of the meninx primitiva. Most intracranial lipomas are ~~found~~ ~~detected~~ incidentally, as was the case ~~in~~ ~~with~~ our patient. In symptomatic cases, headache and psychomotor retardation are common complaints. Seizures reported in ~~eases~~ ~~patients with~~ ~~of~~ intracranial lipomas appear secondary to the associated anomalies. The pericallosal region as well as the quadrigeminal and suprasellar cisterns ~~is~~ ~~are~~ ~~the~~ common locations for intracranial lipomas. Vermian lipomas are rare, with ~~only a few cases in~~ the literature ~~containing only a few such cases~~. The morphological variants of intracranial lipomas are the tubulonodular and curvilinear varieties. Intracranial lipomas reveal homogeneous fat density (~~-~~60 to ~~-~~120 HU) on plain CT ~~scan~~ and may contain calcific foci ~~within~~, ~~especially~~ ~~particularly~~ in the tubulonodular variety. Intracranial lipomas display T1₂- and T2₂-hyperintense signals with suppression on fat-saturated images. The associated anomalies are better ~~demonstrated~~ ~~on~~ ~~revealed by~~ MRI and include dysgenesis of the corpus callosum and vascular anomalies ~~like~~ ~~such as~~ aneurysms. Surgical excision is not required in most cases.

Comment [A1]: The hyphen (-) connects two things that are closely related [usually words that function together as a single concept or work together as a joint modifier (compound adjectives)]. For example, a three-page document (a document comprising three pages).

Comment [A2]: Spaces are generally inserted before and after arithmetic symbols.

Comment [A3]: The minus sign (-) is generally used instead of a hyphen (-) to denote a negative value.