Bilateral jugular paragangliomas
A rare cause of raised intracranial pressure

A 28-year-old woman presented with a 2-year history of pulsatile tinnitus with recent onset of headaches and bilateral transient visual obscurations. Examination revealed bilateral optic disc edema. MRI showed enhancing lesions surrounding the internal jugular veins and magnetic resonance venography showed bilateral internal jugular vein occlusions with extensive collaterals (figure 1). Both lesions were resected. The pathology was that of a paraganglioma (figure 2).

Paragangliomas are rare neuroendocrine tumors that are usually sporadic. Bilateral jugular paragangliomas can present with symptoms and signs of raised intracranial pressure when they cause occlusion of the internal jugular veins and thus impair cerebral venous outflow.

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