We hereby report a case of neurofibromatosis type 2 (NF-2) with typical imaging findings on computed tomography (CT) and magnetic resonance imaging (MRI) which was diagnosed on the basis of intracranial calcifications.

A 20-year-old male patient presented with complaints of right-sided diminished hearing and vision for the past 2 months. Initially plain CT of the brain was done which showed the presence of multiple small calcified subependymal nodules, bilateral choroid plexus calcifications, falx, tentorial calcifications and calcified nodule along the basal cistern region [Figure 1a-c]. Plain CT also showed the presence of optic nerve sheath calcification on right side suggestive of optic nerve sheath meningioma [Figure 1d]. Possibility of NF-2 was thought and the patient was subjected to MRI of brain and spine with contrast which showed the presence of small enhancing masses within bilateral internal acoustic meatus suggestive of vestibular schwannomas [Figure 2a] and a small right posterior parafalcine enhancing lesion suggestive of meningioma [Figure 2b]. In addition, intraspinal tumors were noted in cervical and lumbar regions [Figure 2c and d] along with paraspinal tumors in bilateral upper dorsal regions [Figure 2c]. In view of all these imaging findings, a diagnosis of type 2 neurofibromatosis was made. There was family history of early death of patient’s father, the cause of which not known and the patient is the only sibling and unmarried. MRI brain and spine of the patient’s mother was normal. The patient and his family were advised genetic counseling and testing to a higher center.

NF-2 is an autosomal dominant disorder characterized by the presence of schwannomas, meningiomas and ependymomas.[1] Bilateral vestibular schwannomas or family history of NF-2 with unilateral vestibular schwannoma or any of the two, meningioma, glioma, neurofibroma, schwannoma, posterior sublenticular capsular cataract, is the main diagnostic criteria for NF-2.[1] Intracranial calcifications are uncommon in NF-2 and can be tumoral or non-tumoral in origin. Although subependymal calcifications are always associated with tuberous sclerosis, similar calcifications...
can be seen in NF-2.\textsuperscript{[2]} Non-tumoral calcifications with or without tumoral calcifications can suggest a diagnosis of NF-2 in patients whom there is no obvious lesion in cerebellopontine angles on CT.\textsuperscript{[2]} Hence, further evaluation with MRI is required in those patients for accurate diagnosis. It is very difficult to radiologically distinguish schwannomas and meningiomas; however, intense heterogeneous enhancement, hyperintense and heterogeneous signal on T2-weighted images, craniocaudal location and absence of dural tail sign suggest schwannomas.\textsuperscript{[3]}

**References**


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