CNS Lymphoma

946-2

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Figure 1: Sagittal T1WI shows infiltration of the clivus, sphenoid sinus, upper cervical spine and pituitary gland with cellular material that is isointense with gray matter. The fatty marrow of the sphenoid and cervical spine are almost completely replaced with tumor. Only a small area of normal bone persists at the bottom of the clivus and the anterior ring of C1.
Neuroimaging

Figure 2: Axial T2WI shows the infiltrate in both sides of the cavernous sinus as well as the pituitary gland. The tumor is rather hypointense on this sequence, characteristic of neoplasms that have a high nuclear to cytoplasm ratio.
Neuroimaging – Case 2

A series of four axial fat-saturated post-contrast T1-weighted MR scans in another patient with known B-cell lymphoma and multiple cranial nerve palsies shows enhancement in both internal auditory canals, enlargement and enhancement of both trigeminal nerves, and tumor infiltrating the left cavernous sinus.
A patient with B-cell lymphoma and multiple cranial nerve palsies, is illustrated by a series of 4 axial fat-saturated post contrast T1 weighted MR scans. The images show enhancement in both internal auditory canals, enlargement and enhancement of both trigeminal nerves, and tumor infiltrating the left cavernous sinus.