Cheiro-oral syndrome due to a midbrain lesion

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To our knowledge, only hemorrhage and cavernous angioma have been reported as midbrain lesions causing cheiro-oral syndrome.1,2 We report a case of cheiro-oral syndrome caused by a small lesion confined to the medial lemniscus in the medbrain, probably an ischemic lacunar infarct. A 42-year-old woman noted tingling on the left side of her mouth and left hand. Neurologic examination disclosed no abnormalities except for sensory disturbance in the left hand and mouth regions. T2-weighted MRI showed high-intensity lesion in the right midbrain (figure). There were no other brain lesions except for the right midbrain lesion.


Figure. T2-weighted MRI shows a small high-intensity area in the medial lemniscus of the right midbrain.
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