Transcortical motor aphasia and unilateral parkinsonism in a case of hyperostosis frontalis

Figure CT and MRI of the brain

Supplemental data at
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Arrows indicate a massive hyperostosis frontalis interna. FLAIR = fluid-attenuated inversion recovery.

A 75-year-old woman presented with speech disturbances, forgetfulness, and reduced energy for approximately 2 years. Spontaneous speech vanished 1 year later and was replaced by an exceptional vocalization (video on the *Neurology*[®] Web site at www.neurology.org).

Clinical features included transcortical motor aphasia (decreased spontaneous speech, naming, and writing abilities, with intact repetition and comprehension), moderate dementia, and right-sided parkinsonism (increased muscle tone, slight hand tremor, and supranuclear vertical gaze palsy).¹ Neuroimaging showed a massive bifrontal hyperostosis (figure).² L-Dopa treatment worsened the vocalizations but improved right-sided parkinsonism whereas tiapride (100 mg per day) diminished the vocalizations and spontaneous speech improved without affecting the motor symptoms.

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