Teaching Video NeuroImages: Foville syndrome

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Figure Foville syndrome

(A) Normal right gaze. (B) Complete horizontal left conjugate gaze palsy. (C) Right hemiparesis. (D) T2-weighted axial MRI with acute hemorrhage in the pons extending dorsally and to the left (arrow).

A 68-year-old man with a pontine telangiectasia on anticoagulation developed a left conjugate gaze palsy and right hemiparesis (figure; video on the *Neurology*[®] Web site at Neurology.org). Brain MRI showed acute pontine hemorrhage extending dorsally and to the left.

After seeing a similar patient in 1858, Foville¹ inferred that a lesion in the left dorsal pons affected the descending corticospinal tract before its decussation and the structures innervating the left lateral and right medial recti. He developed the concept of conjugate gaze to explain how “antagonistic muscles, which are innervated by different nerves, cooperate in a single action” (authors’ translation). The complete syndrome described by Foville also includes an ipsilateral fascicular facial palsy.

AUTHOR CONTRIBUTIONS

Chindhuri Selvadurai assisted with clinical care of the patient, drafted the manuscript, and edited figure content. M. William Rondeau assisted with clinical care of the patient and with filming the video content. Dr. Rene Colorado assisted with clinical care of the patient. Dr. Steven Feske translated the original article from French and revised the manuscript. Dr. Sashank Prasad assisted with filming the video content, revised the manuscript, and edited film and figure content.

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DISCLOSURE

The authors report no disclosures relevant to the manuscript. Go to Neurology.org for full disclosures.

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Supplemental data
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