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**Procerus sign in progressive supranuclear palsy**

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Progressive supranuclear palsy (PSP) is characterized by vertical supranuclear gaze palsy, axial rigidity, akinesia, dysarthria, fronto-limbic dementia, and postural instability. A typical facial expression, described as “astonished,” “worried,” or “reptile-like,” has been described; this peculiar expression, so common in PSP and different from the lack of facial expression (hypomimia) typically seen in patients with PD, has not been well characterized. The expression may be due to a focal dystonia of the procerus muscle as well as to a combination of very reduced blinking, spasticity, lid retraction, and gaze palsy. Procerus is a facial muscle that originates in the nasal bone and inserts in the skin in the center of the forehead between the eyebrows; it acts forming vertical wrinkles in the glabella region and bridge of the nose (figure, top). The figure (bottom) shows two patients with clinically probable PSP according to the National Institute of Neurological Disorders and Stroke–SPSP criteria. Both patients show this typical sign, occurring without concomitant blepharospasm. Indeed, the wrinkling is present with open and closed eyes. This sign could be called “the procerus sign.”

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