

produce confusion and disorientation misinterpreted as dementia. Profound bilateral sensorineural hearing loss in a younger patient with short stature or myopathy, however, should raise concern for a mitochondrial disorder.

COGNITIVE AND NEUROPSYCHIATRIC EXAMINATION

Brief screening tools such as the Mini-Mental State Examination (MMSE), the Montreal Cognitive Assessment (MOCA), the Tablet Based Cognitive Assessment Tool, and Cognistat can be used to capture dementia and follow progression. None of these tests is highly sensitive to early-stage dementia or reliably discriminates between dementia syndromes. The MMSE is a 30-point test of cognitive function, with each correct answer being scored as 1 point. It includes tests of: orientation (e.g., identify season/date/month/year/floor/hospital/town/state/country); registration (e.g., name and restate 3 objects); recall (e.g., remember the same three objects 5 minutes later); and language (e.g., name pencil and watch; repeat “no ifs ands or buts”; follow a 3-step command; obey a written command; and write a sentence and copy a design). In most patients with MCI and some with clinically apparent AD, bedside screening tests may be normal, and a more challenging and comprehensive set of neuropsychological tests will be required. When the etiology for the dementia syndrome remains in doubt, a specially tailored evaluation should be performed that includes tasks of working and episodic memory, executive function, language, and visuospatial and perceptual abilities. In AD, the early deficits involve episodic memory, category generation (“name as many animals as you can in 1 minute”), and visuoconstructive ability. Usually deficits in verbal or visual episodic memory are the first neuropsychological abnormalities detected, and tasks that require the patient to recall a long list of words or a series of pictures after a predetermined delay will demonstrate deficits in most patients. In FTD, the earliest deficits on cognitive testing involve executive control or language (speech or naming) functions, but some patients lack either finding despite profound social-emotional deficits. PDD or DLB patients have more severe deficits in executive and visuospatial function but do better on episodic memory tasks than