

Brain SPECT

CPT: 78607

1 Dementia

- 1.1 Agnosia
- 1.2 Aphasia
- 1.3 Apraxia
- 1.4 Confusion
- 1.5 Disorientation
- 1.6 Fluctuating cognition
- 1.7 Memory loss
- 1.8 Mini Mental State score of 24 or less on two occasions
- 1.9 Recurrent visual hallucinations
- 1.10 spontaneous motor features of Parkinsonism

2 Epilepsy to localize a focus preparatory to corrective surgery

References

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2. McKeith IG, Galasko D, Kosaka K, et al. Consensus guidelines for the clinical and pathological diagnoses of dementia with Lewy bodies (DLB): report of the Consortium on DLB International Workshop. Neurology. 1996;47:1113–1124 AD Murray Imaging in dementia Imaging 19: 133-141, 2007 Seok Ming Lim, et al The 18F-FDG PET Cingulate Island Sign and Comparison to 123I-β-CIT SPECT for Diagnosis of Dementia with Lewy Bodies J Nucl Med 50: 1638-1645; First published on September 16, 2009

3 Parkinson's disease and syndromes- Atypical presentation

4 Immunocompromised patients with mass lesion detected on CT or MR for differentiation of lymphoma and infection

References

1. Desai A1, Bekelis K, Thadani VM, Roberts DW, Jobst BC, Duhaime AC, Gilbert K, Darcey TM, Studholme C, Siegel A. Interictal PET and ictal subtraction SPECT: sensitivity in the detection of seizure foci in patients with medically intractable epilepsy. *Epilepsia*. 2013 Feb;54(2):341-50. doi: 10.1111/j.1528-1167.2012.03686.x. Epub 2012 Oct 2.
2. Raúl de la Fuente-Fernández, MD Role of DaTSCAN and clinical diagnosis in Parkinson disease *Neurology* March 6, 2012 vol. 78 no. 10 696-701 American College of Radiology Appropriateness <http://www.acr.org/~media/ACR/Documents/AppCriteria/Diagnostic/DementiaAndMovementDisorders>
3. Lorberboym M1, Estok L, Machac J, Germano I, Sacher M, Feldman R, Wallach F, Dorfman D. Rapid differential diagnosis of cerebral toxoplasmosis and primary central nervous system lymphoma by thallium-201 SPECT. *J Nucl Med*. 1996 Jul;37(7):1150-4.

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