

# Provider Led Entity

## CDI Quality Institute AUC Questions: Dementia

09/05/2018

**Patient/Problem:** Appropriateness of advanced imaging procedures in patients with the following clinical presentations:

- Probable Alzheimer's disease
- Possible Alzheimer's disease
- Suspected frontotemporal lobar degeneration
- Suspected vascular dementia
- Suspected dementia with Lewy bodies (DLB)
- Suspected normal pressure hydrocephalus

For patients > 18 years of age, in a community outpatient setting, without pregnancy, and for the purposes of diagnosis.

**Interventions:** Advanced testing –MRI with and/or w/o IV contrast, CT with and/or w/o IV contrast, diffusion-tensor imaging, fMRI, volumetric MRI, Single photon emission computed tomography (SPECT), PET, MR spectroscopy, MRA with or w/o IV contrast, CTA with IV contrast; MRV, CTV

**Comparison:** Gold standard (image findings, biopsy results, surgical findings, angiographic findings or patient outcome)

**Outcome:** Diagnostic accuracy, effect on patient management, and/or patient outcome.

**Exclusions:**

- Suspected prion disease
- Neurodegeneration with excessive iron degeneration
- Movement disorders (including Parkinson's disease, progressive supranuclear palsy, limbic encephalitis, Huntington's disease)
- Pediatric patients
- Pregnant patients
- Suspected malignancy