AssemblyNet-AD-FTD volumetry report

For research only

version 1.0 release 01-Dec-2022

Subject: job1938124

Sex: Male
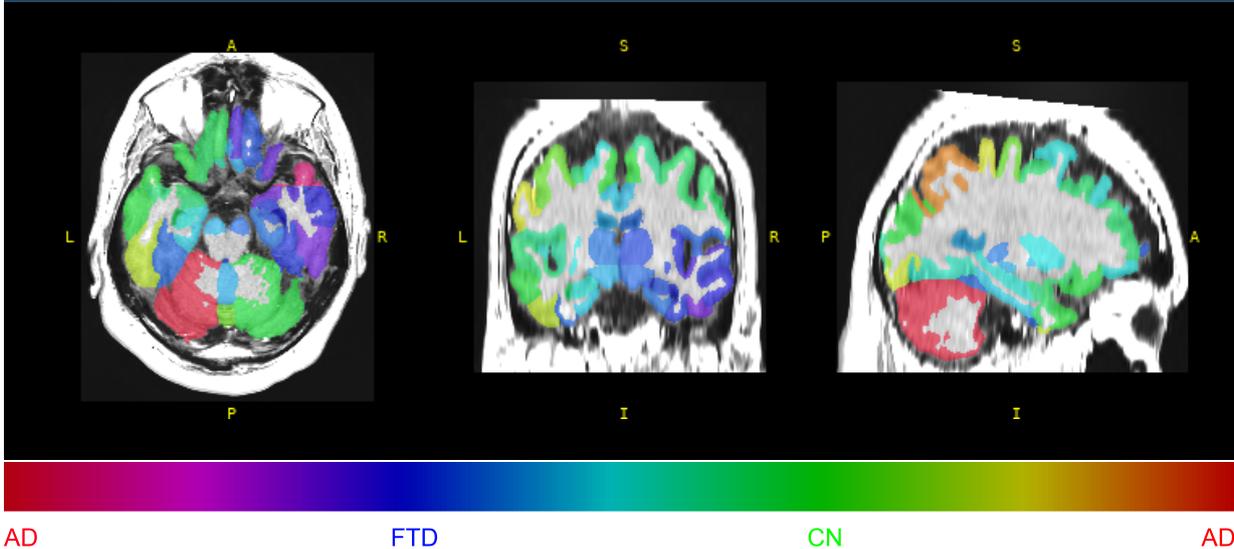
Age: 47.0

Report date: 14-Jan-2026

Quality control: C

Dementia diagnosis result

Class	Probability (in %)
Cognitively Normal	22.35
Alzheimer's Disease	42.60
Frontotemporal Dementia	35.05

Grading Map
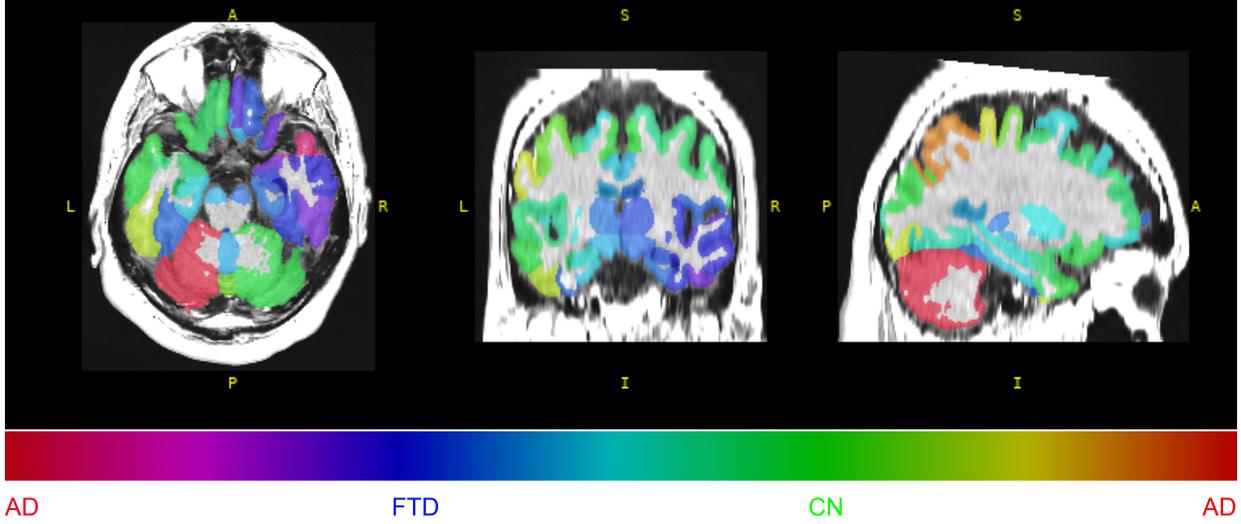

AD   FTD   CN   AD

Huy-Dung Nguyen, Michaël Clément, Vincent Planche, Boris Mansencal, Pierrick Coupé, *Deep grading for MRI-based differential diagnosis of Alzheimers disease and Frontotemporal dementia*, Artificial Intelligence in Medicine, 144, 10/2023, pp.102636. PDF

These scores have been validated on AD patients, subjects with mild cognitive impairement (MCI) who will convert to AD in 3y, and patients with frontotemporal dementia (FTD). Only three sub-types of FTD were considered: behavioral variant FTD (bvFTD), semantic variant (SV) and progressive nonfluent aphasia (PNFA). Please do not use for other types of pathologies (e.g., Parkinson's, Vascular dementia, ...)
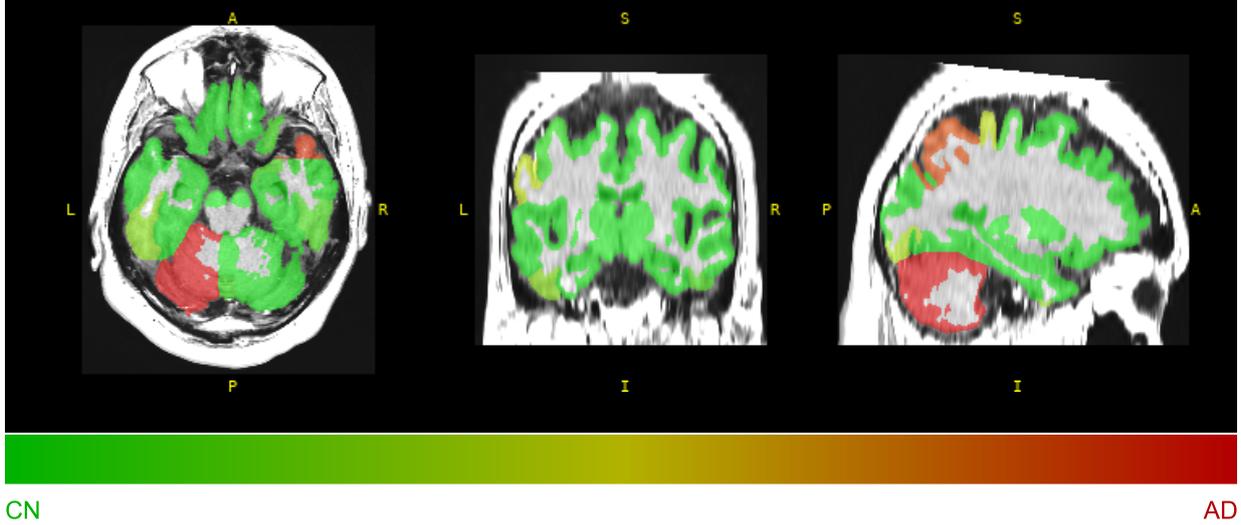
The quality control evaluates the input image quality after preprocessing. A = good, B = moderate (i.e., the output requires human verification) and C = bad (i.e., the output should not be used).

All the result images are located in the MNI space (neurological orientation).

Grading Map

AD   FTD   CN   AD

Grading AD

CN   AD

Grading FTD

CN   FTD