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*The Dynamic of Alzheimer's Disease: a Longitudinal Study of Patients Progressing From MCI to AD*

Numerous studies suggest that medial temporal lobe atrophy, tracked via hippocampal (HC) volumes and longitudinal rates of change, predicts Alzheimer's disease (AD) in patients with amnesic mild cognitive impairment (aMCI). It should relate to neuropsychological assessment. To determine the shape of this relationship and take into account within-individual changes in HC over time, we used a general mixed model. The control group is used to transform scores. From the ADNI (Alzheimer's Disease Neuroimaging Initiative) study, 48 females and 86 males, who progressed from MCI to AD over time, were included. Results confirm the hypothesis proposed by Jack et al. 2010.