**Supplementary Figure 1: Statistical Parametric Mapping (SPM) group analysis in MCI patients compared to AD patients.**

Rendered SPM resultsfrom two-sample Student’s t-tests (2-tailed)for differences intracer uptake between MCI patients (N=5) and AD patients (N=6) with cluster threshold of p<0.05 and an extent threshold of 50 voxels. Coordinates for significant clusters following FWE-correction can be found in Supplementary Table 1. Colourbar units are contrast estimates representative of Z-scores.

**Supplementary Table 1: Results of group SPM analysis for 11C-BU99008, 18F-FDG, 18F-florbetaben PET and VBM.**

Clusters and coordinates displayed in MNI space, cluster threshold of p<0.05 (FWE-corrected) with extent threshold of 50 voxels.