

Supplemental Digital Content 4. PET imaging methods

PET images were coregistered using Magnetization-prepared rapid gradient echo (MP-RAGE) sequences. Images from a 20-minute uptake scan (4 X 5 minutes) were acquired between 50 and 70 minutes after intravenous injection of the florbetapir isotope. These images were reviewed for image quality at the Johns Hopkins PET image analysis center, after which standardized uptake value ratios (SUVRs) were quantified in 34 regions of interest (ROIs), which were manually drawn in accordance with the standard Montreal Neurologic Institute (MNI) space. We calculated a global measure of florbetapir uptake using a volume-dependent weighted average of the following regions: orbitofrontal, prefrontal, and superior frontal cortices; the lateral temporal, parietal, and occipital lobes; the precuneus, the anterior cingulate, and the posterior cingulate. We used an automated area of cerebellar gray matter as a reference region.¹ In accordance with previously published methods,²⁻⁴ elevated brain A β was defined *a priori* as a global SUVR above the sample median (1.2).

References

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