

PET Acquisition

All participants were injected with a 370 MBq (10 mCi) bolus of ^{18}F -Florbetapir. At 30min post injection subjects were positioned on the imaging table of a Siemens ECAT HR PET scanner. Soft Velcro straps and foam wedges were used to secure the participant's head and the participant was positioned using laser guides. A 2min scout was acquired to ensure the participant's brain was completely in the field-of-view and there was no rotation in either plane. A 2-frame by 5-min each dynamic emission acquisition was started 50min post injection and immediately after an internal rod source transmission scan was acquired for 7min. The transmission image was reconstructed using backprojection and a 6mm FWHM Gaussian filter. The emission images were processed by iterative reconstruction, 4 iterations and 16 subsets with a 3mm FWHM ramp filter. The dicom images were converted to .img/.hdr.