**Supplement I**

*Power calculation for future studies*

Given the average of 6-week global cortical SUVr of 1.1 for the 6-week cognitive deficit group and 1.0 for the group without deficit and a pooled standard deviation of 0.2 in our dataset, we performed a post-hoc power calculation to estimate the sample size needed to detect this effect size with 80% power. Based on 1000 Monte Carlo samples from the null hypothesis (mean global cortical SUVr difference=0), a Wilcoxon Rank-Sum test would require 41 cognitive deficit subjects and 76 normal subjects to reach 81.9% power.