

Supplementary Figure 1: Comparison of V_T Estimates by 1T, 2T, and MA1 Models

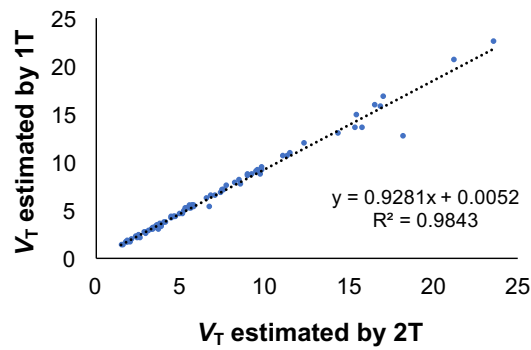
(A) shows estimates of V_T made by 1T and 2T models, which were highly correlated ($R^2=0.984$).

(B) shows that 1T estimates of V_T were 8.6% lower than 2T estimates on average. (C) shows

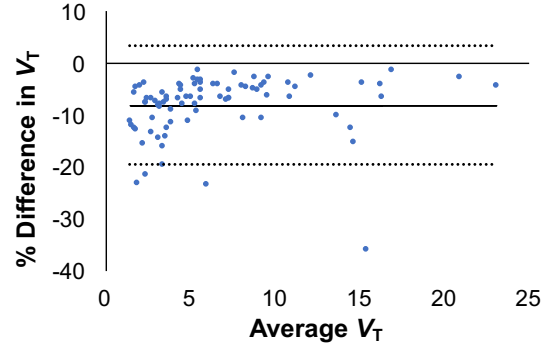
estimates of V_T made by 2T and MA1 ($t^*=30$) models, which were highly correlated ($R^2=0.990$).

(D) shows that MA1 estimates of V_T were 0.5% lower than 2T estimates on average. Unstable fits for 2T and corresponding fits for 1T and MA1 were excluded.

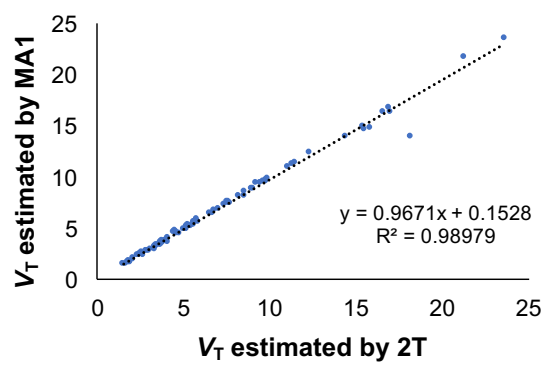
A) Correlation of V_T estimates



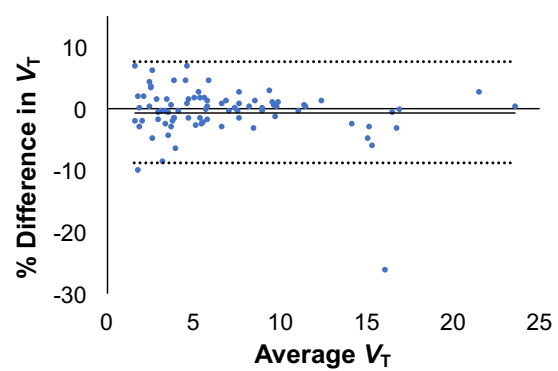
B) Bland-Altman Plot of V_T estimates



C) Correlation of V_T estimates



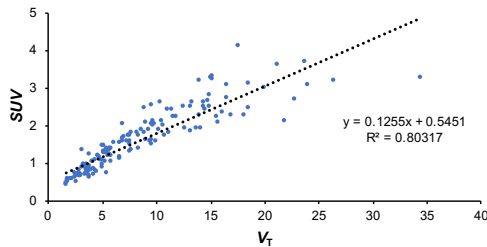
D) Bland-Altman Plot of V_T estimates



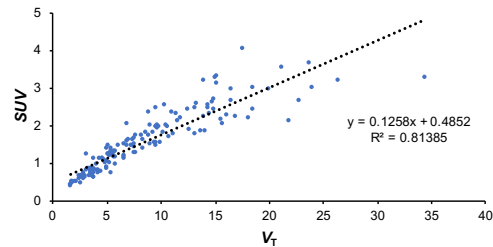
Supplementary Figure 2: Correlation of V_T to SUV across scans

V_T values estimated by MA1 with 180 min of imaging data were highly linearly correlated with average SUV for 60-90 min in **(A)** ($n=12$, $R^2=0.803$), 90-120 min in **(B)** ($n=12$, $R^2=0.814$), 120-150 min in **(C)** ($n=12$, $R^2=0.836$), 150-180 min in **(D)** ($n=12$, $R^2=0.851$), 180-210 min in **(E)** ($n=8$, $R^2=0.902$), and for 210-240 min in **(F)** ($n=8$, $R^2=0.913$).

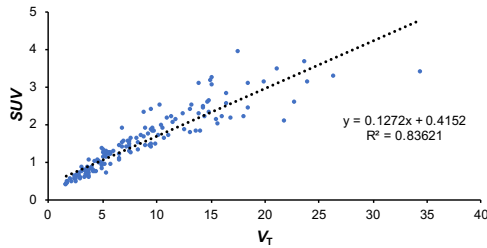
(A) SUV (60-90 min) vs. V_T (180 min)



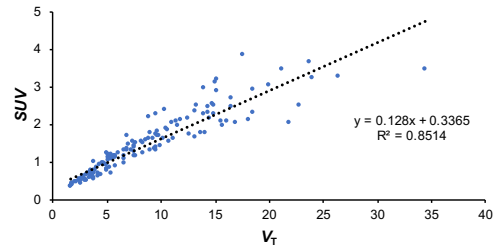
(B) SUV (90-120 min) vs. V_T (180 min)



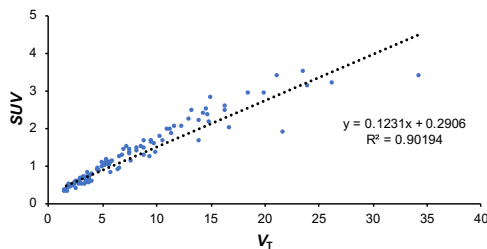
(C) SUV (120-150 min) vs. V_T (180 min)



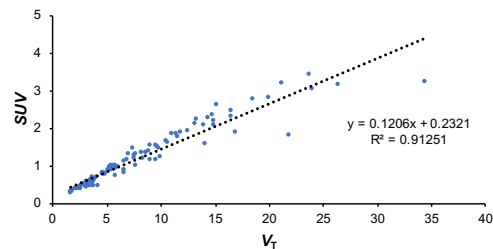
(D) SUV (150-180 min) vs. V_T (180 min)



(E) SUV (180-210 min) vs. V_T (180 min)



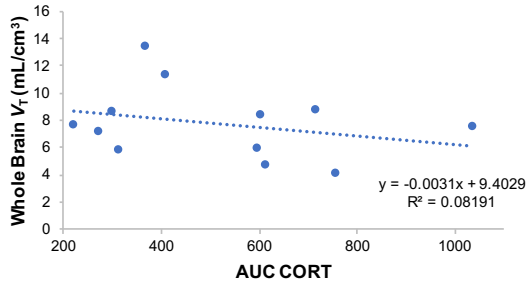
(F) SUV (210-240 min) vs. V_T (180 min)



Supplementary Figure 3: Relationship of Peripheral Cortisol to [¹⁸F]AS2471907 Availability

Correlation of [¹⁸F]AS2471907 whole brain V_T to area under the curve (AUC) of cortisol concentration in **(A)** and to slope of decline in plasma cortisol concentration in **(B)**. Measures were calculated from plasma cortisol sampled at 0, 30, 60, and 90 min post-injection. Exploratory post-hoc analyses of V_T with peripheral cortisol across all ROIs did not reveal any significant correlations with any region.

(A) [¹⁸F]AS2471907 V_T vs. AUC CORT



(B) [¹⁸F]AS2471907 V_T vs. CORT slope

