

Computation of Global Brain Standardized Uptake Value (SUV)

CSG PET workshop

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Voxel-level PET image analysis



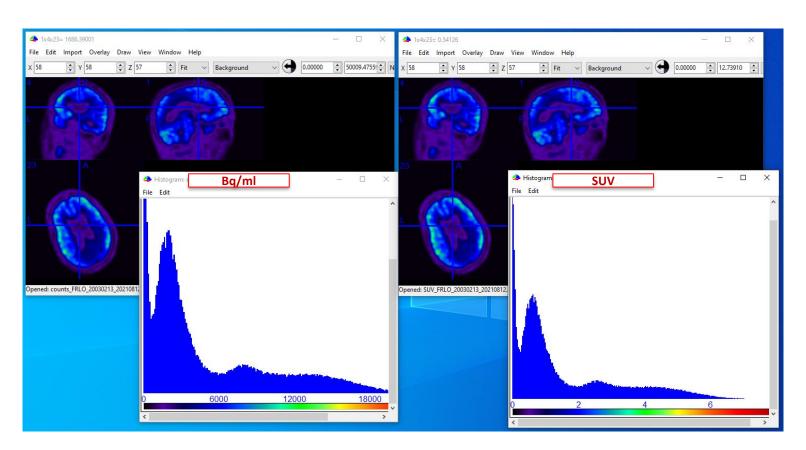
1) Spatial Registration, Normalization (or Warping) and Smoothing -> to put all the different images in the same "space", crucial for statistical comparisons

2) Creation of a Parametric Image (SUVRs, DVRs, BP...) -> to put all the different images in the same «scale»

3) Statistical Model



From Bq/ml to SUV images





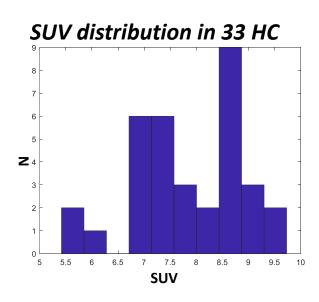
Global Brain SUV







Decrease in Global Brain SUV



*Mean=*7.8818397 *SD=*1.9006524

% SUV Decrease (Patient) =

100 - ((SUVglob_patient/7.8818397)*100)