

SPMgrid Report



Subject info

Patient ID: 016_S_4952_FDG **Sex:** F **Age:** 70

Pre-processing and registration step¹

Linear {affine} component

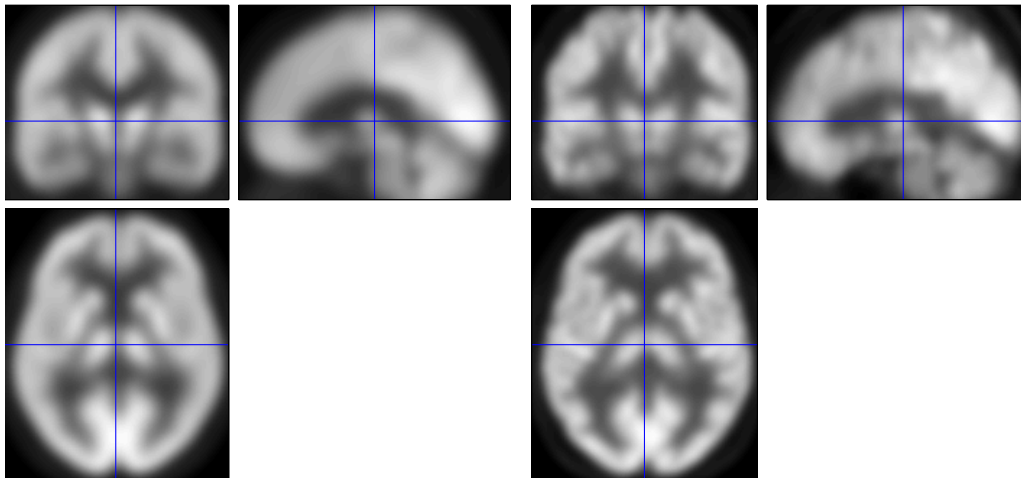
$$X1 = 0.985 \cdot X - 0.008 \cdot Y + 0.001 \cdot Z - 0.205$$

$$Y1 = 0.015 \cdot X + 0.997 \cdot Y - 0.012 \cdot Z + 0.552$$

$$Z1 = -0.007 \cdot X + 0.016 \cdot Y + 1.083 \cdot Z + 0.804$$

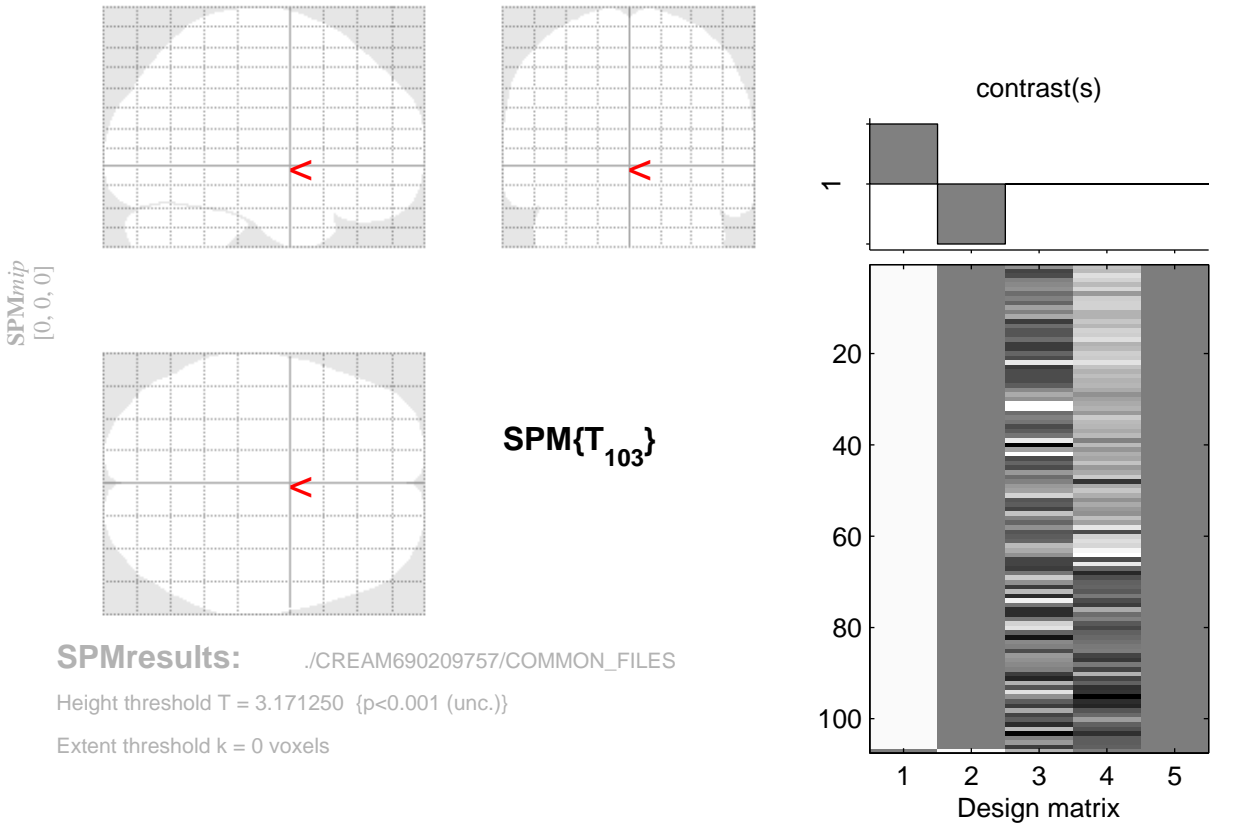
16 nonlinear iterations

7 x 9 x 8 basis functions



¹Registration of the subject's brain to the ICBM152 space. The Template used is an average of 100 subjects (50 Healthy Elderly Controls and 50 patients matched per sex and age).

Hypometabolism



Statistics: *p-values adjusted for search volume*

set-level		cluster-level				peak-level					mm mm mm		
p	c	p _{FWE-corr}	q _{FDR-corr}	k _E	p _{uncorr}	p _{FWE-corr}	q _{FDR-corr}	T	(Z)	p _{uncorr}			

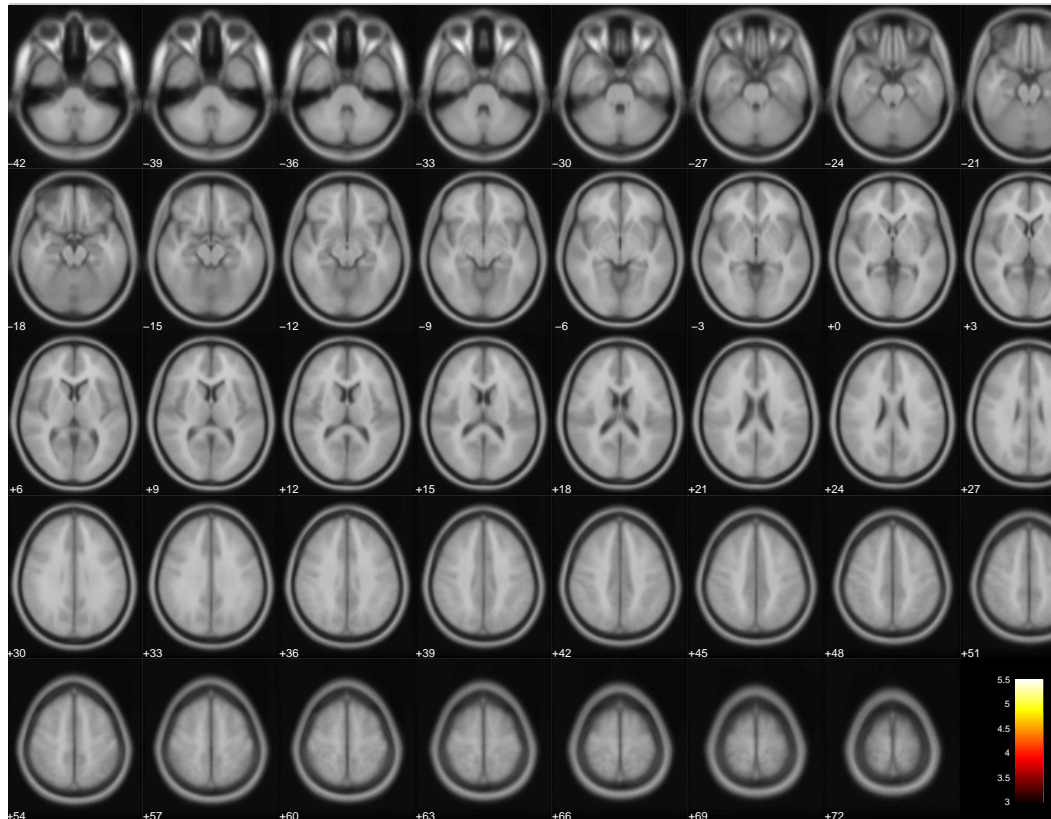
no suprathreshold clusters

table shows 3 local maxima more than 8.0mm apart

Height threshold: T = 3.17, p = 0.001 (0.997)
Extent threshold: k = 0 voxels, p = 1.000 (0.997)
Expected voxels per cluster, <k> = 44.683
Expected number of clusters, <c> = 5.93
FWEp: 4.792, FDRp: Inf, FWEc: Inf, FDRc: Inf

Degrees of freedom = [1.0, 103.0]
FWHM = 13.9 15.2 15.4 mm mm mm; 6.9 7.6 7.7 {voxels}
Volume: 1633016 = 204127 voxels = 453.3 resels
Voxel size: 2.0 2.0 2.0 mm mm mm; (resel = 404.53 voxels)

Spatial Data Visualization²



²In SPM the spatially normalised images are in neurological convention (with the right side of the brain being at the right side of the image).