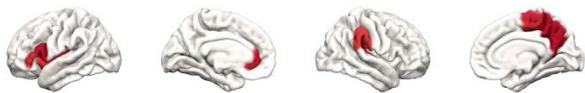


eFigure 2. Morphological associations with working memory and executive function in patients with LGI1E

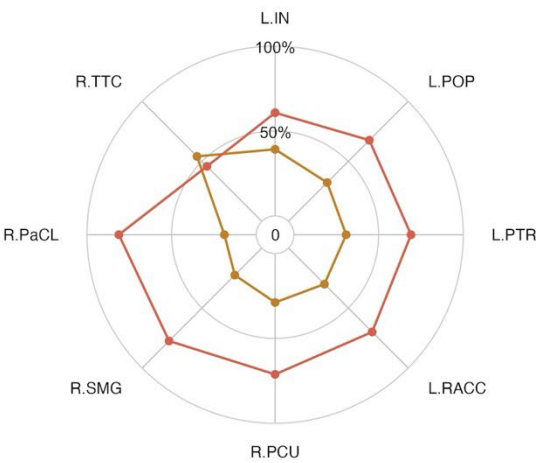
(A) Region-wise correlation analyses (left) showed that only cortical FD reductions were associated with worse working memory ($n = 32$ patients). Color bars indicate the correlation coefficients, thresholded at $P_{FDR} < 0.05$. Dominance analyses (right) showed that FD and volume contributed more in 7 and 1 brain areas, respectively (FD: 45.8-81.2%; volume: 18.8-54.2%). (B) Only cortical FD reductions were associated with worse executive function ($n = 26$ patients), with FD contributing more than volume across all 6 brain areas (FD: 56.8-83.3%; volume: 16.7-43.2%). Abbreviations: IN = insula; LOFC = lateral orbital frontal cortex; L. = left; PaCL = paracentral lobule; PCU = precuneus cortex; PoCG = postcentral gyrus; POP = pars opercularis; PTR = pars triangularis; RACC = rostral anterior cingulate cortex; R. = right; SMG = supramarginal gyrus; TTC = transverse temporal cortex.

(A) Working Memory

FD



Volume



(B) Executive Function

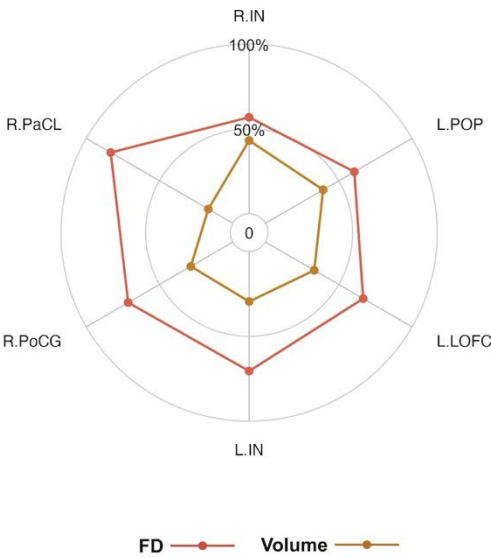
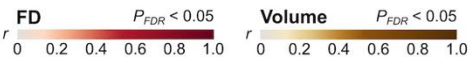
FD



Volume



Left Lateral Left Medial Right Lateral Right Medial



FD —●— Volume —●—