

Figures

Progression of neuroanatomical abnormalities after first-episode of psychosis: A 3-year longitudinal sMRI study

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Fig.1: Progressive volume change over time in FEP patients and controls

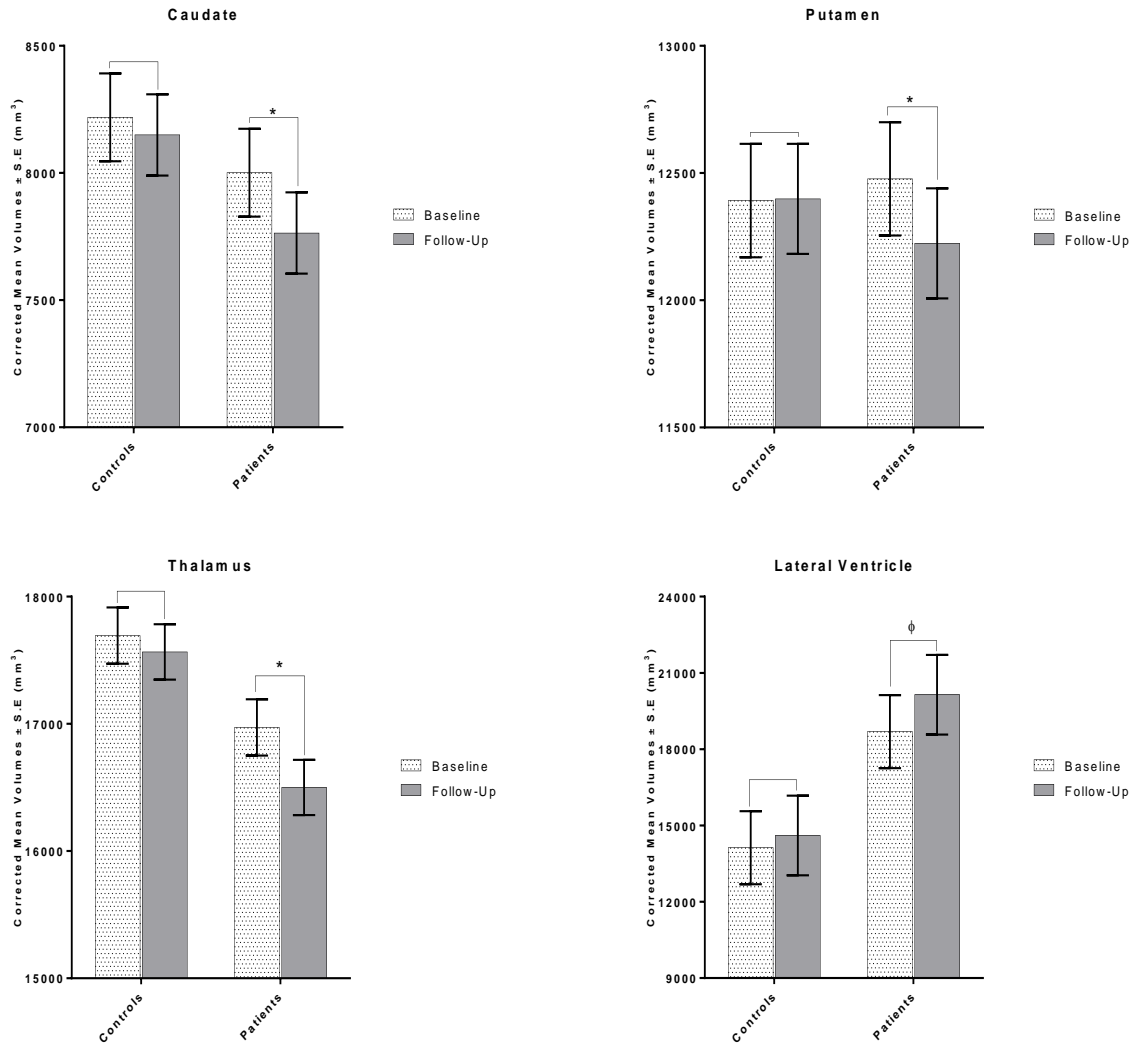


Fig.1 Legend: Plot of corrected mean volumes (\pm standard error) of the neuroanatomical structures that progressed overtime. Comparison of these progressions in first-episode psychosis patients with healthy controls at baseline and after 3-years. The mean volumes were corrected for ICV, gender and age at baseline. *significant change; ϕ greater progressive change that did not reach statistical significance.

Fig. 2: Corrected p -value maps showing regional neuroanatomical clusters with increased symmetrised rates of progressive cortical thinning in FEP patients relative to HCs over time. Cluster-wise correction for multiple comparison at $p=0.05$.

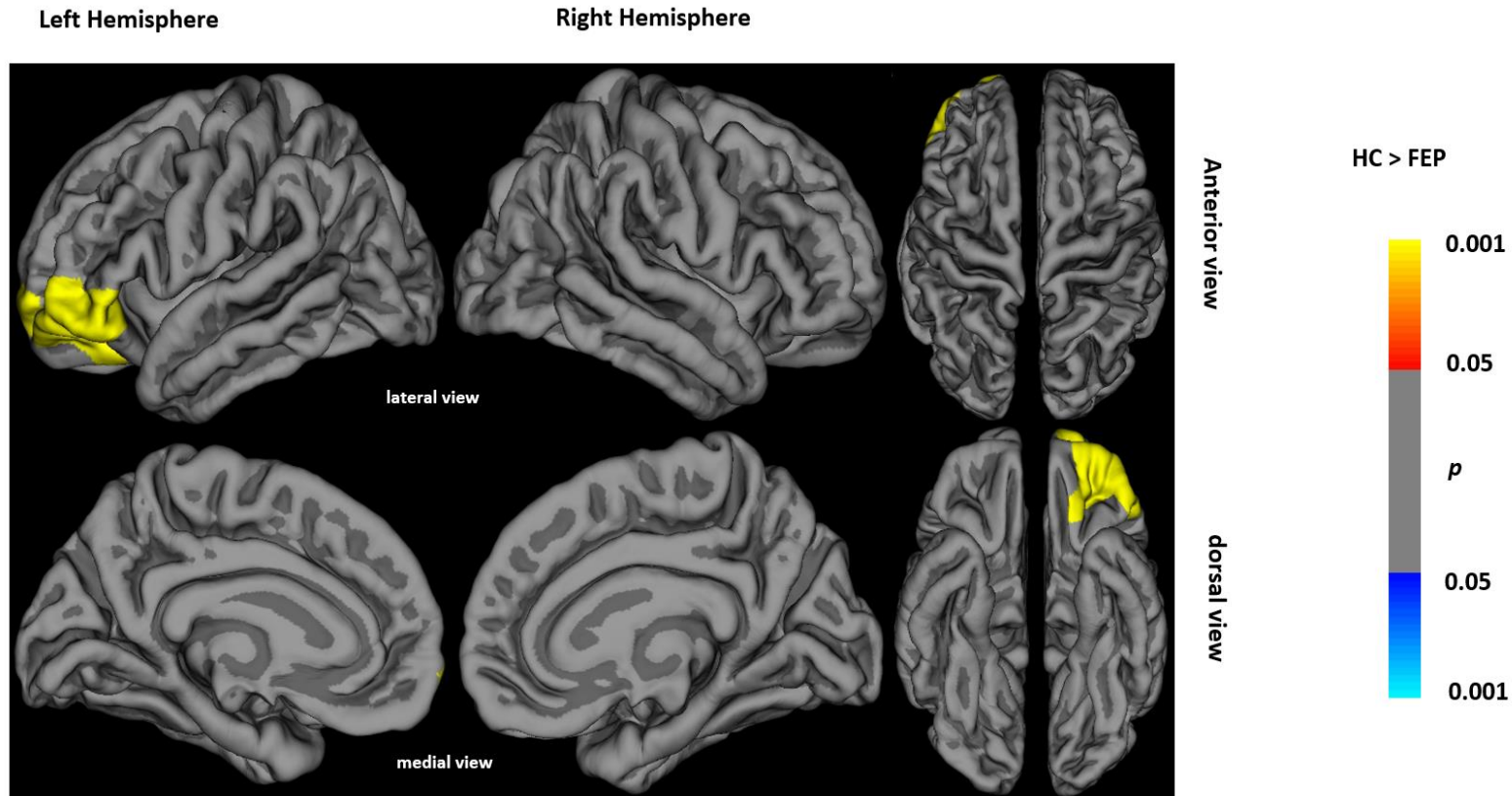


Fig. 2 Legend: The symmetrised rate of progressive cortical thickness change in FEP patients relative to healthy controls per year. The regional neuroanatomical clusters that survived cluster-wise correction for multiple comparison ($p=0.05$) for cortical thinning coincided with the LLOFR with a cluster probability $p<0.0001$ with Talairach coordinates of maxima (-25.3, 42.1, -10.1) are displayed in **YELLOW**. This region coincides with the left lateral orbitofrontal cortex extending into aspects of the left pars orbitalis, pars triangularis, rostral middle frontal gyrus and frontal pole. **Of note, when the 4 patients on mood stabilisers at follow-up were removed from the analyses, these findings remained essentially unaltered.**