

Appendix 1 to Palaniyappan L, Liddle P.F. Aberrant cortical gyrification in schizophrenia: a surface-based morphometry study. *J Psychiatry Neurosci* 2012.

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Box S1: Exclusion criteria for motion artifacts in MPRAGE acquisition

Scans with at least 1 of the following 3 criteria were excluded owing to motion artifacts:

- Images too grainy: grey–white matter boundary is clearly invisible in more than 2 anatomically distinct regions
- Significant edge ringing artifacts: more than 2 rings noted with associated blurring of grey–white matter boundary in more than 2 anatomically distinct regions
- Less severe motion artifacts/grainy image but not satisfying criteria 1 and 2, but either
 - fails Freesurfer cortical reconstruction owing to substantial topological defects; or
 - presence of more than 2 handles/holes that require manual intervention (e.g. hole-filling, defining control points, removal of obscure/uncertain pia-like tissue) to define grey–white matter boundaries despite Freesurfer's automatic topological fixation procedure

MPRAGE = magnetization-prepared rapid-acquisition gradient echo.