

Structural disconnectivity in schizophrenia : Diffusion tensor imaging study

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The aim of this study was to determine fraction anisotropy (FA) of genu and splenium of the corpus callosum in a sample of patients with schizophrenia and in control healthy individuals and to correlate the clinical findings with FA in different parts of the corpus callosum within the patient group. The study aimed to examine the hypothesis of structural disconnectivity in schizophrenia using fractional anisotropy maps of corpus callosum. Significant reductions of FA in genu and splenium were found in the patients' group compared with the control group. Significant statistical correlations of FA with synonymous clinical symptoms in patients group reflecting degradation of myelinated fibers in the CC.