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Duration of untreated psychosis/illness and brain volume changes in early psychosis

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Abstract

The time period during which patients manifest psychotic or unspecific symptoms prior to treatment (duration of untreated psychosis, DUP, and the duration of untreated illness, DUI) has been found to be moderately associated with poor clinical and social outcome. Equivocal evidence exists of an association between DUP/DUI and structural brain abnormalities, such as reduced hippocampus volume (HV), pituitary volume (PV) and grey matter volume (GMV). *Thus, the goal of the present work was to examine if DUP and DUI are associated with abnormalities in HV, PV and GMV. Using a region of interest (ROI) based approach, we present data of 39 patients from the Basel FePsy (Früherkennung von Psychosen, early detection of psychosis) study for which information about DUP, DUI and HV, PV and GMV data could be obtained. Twenty-three of them were first episode psychosis (FEP) and 16*

¹ Shared first authorship

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