

Cognitive dysfunction in obsessive compulsive disorder : Neuropsychological and neurophysiological study

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This case-control study was conducted on 20 OCD patients and 20 as a control group aiming to detect any neurophysiological and any functional cognitive impairment. Semi-structured psychiatric interview beside Yale-Brown obsessive compulsive scale, Stanford Binet test, Luria Nebraska neuropsychological battery and event-related potentials were used for both patients and controls. It was found that the patients showed significantly lower scores on the performance test of Stanford Binet, while they scored significantly higher scores on L and R regions of Luria Nebraska neuropsychological battery. Patients differed significantly from the controls in N 100 and-200 amplitude at PZ as well as in P 200 latency at EZ and P 300 at PZ ; while, P 300 amplitude at FZ showed a significant negative correlation with the severity of illness. There was a statistically significant difference between obsessive and mixed groups regarding the amplitude of P 300 at FZ.