

A single photon emission computed tomography study in obsessive compulsive disorder

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The study aimed to find out the perfusion differences of patients with OCD compared to control subjects, defining significant areas of affection in the disorders, establish a possible correlation between the severity of OCD and blood perfusion profile as well as to correlate these differences with subjects of OCD.

The study was conducted in the OPC of ASUIP, from which 22 OCD patients and 12 normal volunteers were selected. The patients were diagnosed according to ICD-10 and were subjected to Y-BOCS (Goodman et al., 1989) and brain SPECT.

The study revealed that there is a perfusion difference between patients of OCD and control group, with global hypo-perfusion in patients and with further probing to certain brain areas the study found correlations between severity and perfusion in different areas in the brain.