

# **A single photon emission computed tomography study in obsessive compulsive disorders**

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This study aimed to find out perfusion differences of patients with OCD compared with control subjects, establish a possible correlation between the severity of OCD (assessed by Y-BOCS) and blood perfusion profile and correlate these differences with the subtypes of OCD.

The sample composed of 22 OCD patients diagnosed according to ICD-10 diagnostic criteria by using the ICD-10 symptom checklist for mental disorders.

They were free from medications for at least two weeks. The control group consisted of 12 healthy individuals with good mental health, selected by using the general health questionnaire and the controls were matching the patients group.

All the subjects were investigated by the brain SPECT scanning.

The patients were subjected to Y-BOCS symptom checklist and Y-BOCS for severity.

The study concluded that there is a perfusion differences between OCD patients and controls with differences in certain brain areas.