

Thalamic N-acetylcysteine : Creatine ratio in schizophrenic male patients

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To find out the ratio between the concentrations of N-acetylcysteine and creatine in the thalamic regions of Schizophrenic patients, using Proton Magnetic Resonance Spectroscopic imaging, and find out its correlation with different clinical variables. The study included 24 Schizophrenic patients, assessed according to the ICD-10 Checklist Criteria, The Scale for assessment of Positive symptoms (SAPS), and The Scale for assessment of Negative symptoms (SANS). NAcetylcysteine Creatine ratio (N-AA/ Cr) was measured in the thalamic regions and was compared with 10 age and sex matched healthy comparison subjects. Results There is strong evidence that suggest neuronal dysfunction and or loss in thalamic regions in male Schizophrenic patients, results will be discussed in details.