

Brain single photon emission tomography in attention deficit hyperactivity disorders

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This study aimed to investigate the regional cerebral metabolism in children with ADHD using the brain SPECT and to investigate the psychological and clinical factors, which could influence the pathophysiological changes.

The sample composed of 30 ADHD children free from medication for at least one month before SPECT. The control group consisted of 15 children who were selected to match with the cases as regards the socioeconomic class, sex and age proved to have no neurological, psychiatric or gross medical disorders and not receiving any medication.

The study concluded that there is no evidence of any clinical or psychometric difference between children with ADHD who showed abnormal perfusion and children with ADHD who showed normal perfusion.