

A study of serum glucose and metabolic syndrome in never-medicated schizophrenic patients

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This study aimed to compare the fasting blood glucose levels, anthropometric measures and metabolic syndrome in never-medicated schizophrenic patients and normal controls. Forty never-medicated schizophrenic patients and thirty controls, age and sex matched subjects, were submitted for medical and psychiatric evaluation and measurement of waist circumference, waist hip ratio and body mass index. Schizophrenic patients were interviewed with the semi-structured clinical interview and the brief psychiatric rating scale. All participants were investigated for fasting blood glucose levels, serum levels of cholesterol and cortisol. The results showed that newly diagnosed never-medicated schizophrenic patients have higher but statistically nonsignificant W/H ratio, BMI and serum cholesterol and cortisol levels. Serum glucose and cortisol levels have been found to be positively correlated with BMI and W/H ratio in patients with schizophrenia.