

P-1490 - SEXUAL DYSFUNCTION, OBESITY AND METABOLIC MEASURES IN FIRST-EPISODE PSYCHOSIS (FEP)

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Introduction: In recent years the association of sexual dysfunction (SD) with metabolic factors has drawn a lot of attention. Patients with schizophrenia report SD, which is often unnoticed by physicians. Furthermore, metabolic abnormalities seem also to be prevalent even in patients with first episode psychosis (FEP).

Objectives: In this study we sought to investigate the potential association of SD and metabolic parameters, i.e. waist-hip ratio, cholesterol, triglycerides, fasting blood glucose, HBA1C in patients with FEP.

Methods: Seventy-four male and forty-eight female FEP patients consented to participate in the study. SD was assessed with the Sexual Functioning Questionnaire (SFQ) (Smith et al., 2002). Metabolic and anthropometric parameters: weight, BMI, waist, waist-hip ratio, cholesterol, triglyceride, fasting blood glucose, HBA1C were estimated for every patient. In view of the gender effect and the different male and female sexual physiology, analyses were conducted separately in each group.

Results: Using a multiple regression model, waist/hip ratio ($p=0.001$), triglycerides ($p=0.001$) and weight ($p=0.048$) were found to have a significant impact on male SD. Prolactin serum levels, total exposure to chlorpromazine equivalents and use of antidepressants were taken into account in the statistical analysis and results remain significant. No significant correlation was found between female sexual function and any of the studied metabolic measures.

Conclusions: Preliminary results demonstrate an association of SD with metabolic parameters, in particular waist-hip ratio, weight and triglycerides, in FEP male patients.

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