

Non-motor symptoms of parkinson`s disease: gender and age features and their dependence on the stage of the disease

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In recent years increasing attention is paid to non-motor symptoms (NMS) of Parkinson`s disease (PD) as their manifestations are significantly different in patients of various age and gender groups. The goal of our research was to investigate the expression of PD NMS, depending on the age and gender of patients and stage of the disease. The study involved 255 patients with PD, 56.9% of which were men, 43.1% were women. The course of the disease, including NMS in daily life, was evaluated according to unified PD rating scale. The stage of the disease was determined by Hoehn and Yahr scale. We found growth rate of PD NMS in a group of women. In senile age patients this index was significantly increased compared with groups of young ($p=0.036$) and average age women ($p=0.016$). Also direct correlations were observed between age ($r=0,33$; $p=0.021$), stage of the disease ($r=0,37$; $p=0.028$) and severity of NMS. Index of PD NMS in a group of men was also increased. But in senile age men this index significantly reduced compared to a group of women of the same age ($p=0.038$). Also directly proportional dependence was observed between stage of the disease and its NMS ($r=0,32$; $p=0.023$). The data of our research indicate that NMS of PD are the most pronounced in senile age women, and their direct dependence with the stage of PD according to the Hoehn and Yahr scale was observed.