

*Materials of Conferences***THE MENTAL DISORDERS
AND GENETIC POLYMORPHISM
AT THE NARCOTIZING PERSONS**

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The study and the research at the persons, having used the psychoactive substances (PAS), the mental disorders and the psychical disturbances, and the candidates – genes' polymorphism associations' analysis with the narcotization, and the mental (e.g. personality) disorders and the psychical disturbances versions has been our work's main target. So, the 240 male persons, the Russian nationality, at the age from the 10 years up to the 33 years, having addressed to the Novosibirsk city's in – patients departments and the hospitals, have been thoroughly examined. The psychiatric research and the study have been carried out with the DSM- IV-TR and DSM-III-R American classification application. So, the genetic research and the study have been included the genotypes frequencies' and the alleles' definition of the neurotransmitter and the opioid systems studied candidates – genes: the 4 – subtype dopamine receptor (e.g. DRD4, VNTR), the dopamine – transport protein (e.g. DAT, VNTR), the 5-HTT serotonin transporter (e.g. ID and VNTR), and the mu – opioid receptor (e.g. OPRM1, 118A-G) at the 93 patients.

At the young people's examination, having used the PAS, practically, in all the cases, the symptoms have already been revealed, which are being related to the personality disorders and the psychical disturbances by the DSM-IV-TR and the DSM-III-R American classification, and they are being diagnosed, even at the teenagers and the juveniles at the age of up the 15–18 years at the application initial stages, just before the systemic narcotization further development and its progress. Then, it has been determined, that the narcotizing teenagers and the juveniles are, initially, inclined to the criminal behavior. The personality criminality clear – cut connection and the heredity with the narcological substances abuses at the narcotizing ones is quite possible to be testified on the attraction further development general mechanisms to the PAS and to the criminal behavior. So, the candidates – genes'

research and the study have been revealed the defined and the specified tendencies just in the genotypes distribution at the narcotizing ones and also in their population. Thus, the 10/10 5HTT genotype is being presented much frequently just among the narcotizing persons and the patients, than in the controlled group (e.g. the C group). Thus, the D/D 5HTT and 3/4 DRD4 have been usually met only at the narcotizing persons. Then, the 4/4 DRD4 genotype, the 10/12 5HTT genotype, the 9/10 and the 10/10 DAT genotypes have been equally and frequently met just in the both groups. Then, the 4/4 DRD4 genotype at the narcotizing people and the persons is quite able to be associated with the identity disorder, with the further inclination to the suicidality, to the hysteroid reactions, with the inadequately inflated self – esteem and the self – appraisal, with the helplessness in the solitude and the loneliness, with the circumstantiality, and with the passive – aggressive personality mental disorders and the psychical disturbances; the 10/10 DAT genotype is being associated with the inclination to the antisocial behavior, with the egocentricity, with the emotional affectivity and the affective disposition, the I/D 5HTT genotype is being associated with the inclination to commit the unlawful and the wrongful (e.g. criminal) actions and the activity, with the non – subjugation, and also with the loneliness fear and the being alone fear.

At the same time, we assume on the basis of the studied research final results, that the genetic peculiarities and the special features at our patients are quite able to be the background, having predisposed to the psychopathology further development, also having provoked the drugs application. We consider, that the inclination to the PAS with the drugs dependence and the drugs abuse have already been conditioned on the drugs specific psychedelic effect against the background of the indirect genetically head brain neurotransmitter system defined and the specified functioning.

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