

FUNGI OF *CANDIDA* GENUS AS REPRESENTATIVES OF MICROBIOTA IN POPULATION OF ODESSA

Lafazan O.V.

Odessa I.I. Mechnykov National University, Odessa, Ukraine

Candidoses caused by fungi - representatives of normal human microbiota - become more and more spread diseases in last years. Such situation can be explained by the increase of unfavorable factors such as poor quality intercourse food and medicines, stresses, infections transmitted by sexual.

The aim of the work was to study the spread of *Candida* fungi in population of Odessa. Investigation material was the smears from mucous membranes of the observed people. Diagnosis of candidosis was established by the presence of increased *Candida* cells number.

Investigations in 2010 year showed that candidosis was revealed in 20,4% of people observed in the clinical center of Odessa. This tells about vast spread of this disease among the population.

The significant difference in seasonal cases of the disease was not established, but in winter and in summer the quantity of candidosis cases increased a little (22,5% and 24,9% respectively). The smallest number of the disease cases was revealed in spring (16,1%) and in autumn (19,9%). Such data can be explained by the fact that in summer people' skin and mucous membranes suffer from stresses because of sea swimming and increased sun radiation, and in winter candidosis becomes a mixed infection with colds and flu.

As to the age categories, it was revealed that the most infected category was people from 26 to 45 years old, which can be explained by active sexual life, and for



women - also with pregnancies resulting in activation of fungi microbiota of mucous membranes. In the age group from 18 to 25, candidosis was revealed only in 16,2% of the observed people, and in the age from 46 years and more - in 18,2% of population.

Investigation results show that the candidosis is highly spread among Odessa population, and this can be a in-direct mark of decreasing immune status due to unfavorable factors of surrounding environment.

The further regular control for candidosis spread and explanation work among the population are necessaru.