

ATOPIC ECZEMA/DERMATITIS

CONTAMINATION OF CANDIDA SPP. IN THE INTESTINE OF PATIENTS WITH ATOPIC DERMATITIS

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Candida spp. both complicate atopic dermatitis (AD) and support allergic inflammation in the skin.

THE AIM is to study of mycoflora of the intestine and the total Ig E in patients with AD.

MATERIALS AND METHODS: 167 patients with acute AD at the age from 8 to 65 years (mean age -37 years). 71 (42.5%) were male and 96 (57.5%) - female. Clinical forms of the disease: erythematous-squamous - in 33 (19.7%), exudative - in 45 (26.9%), pruriginous - in 40 (24 %) and lichenoid - in 49 (23.3%) patients.

Severity of disease was measured by SCORAD index. 24 individuals as the control group.

RESULTS: 89 (53.3%) patients had average AD, 48 (28.7%) - severe AD and 30 (18%) - mild AD. Candida spp. in the intestine were 4.5 times as high as these were in the control group (P^{<0.05}). Increased Candida spp. colonization was noted in severe and moderate AD 4800 ± 87.1 CFU / ml and 3950 ± 35.9 CFU / ml, the total IgE was 230.5 ± 12.4 and 230.7 ± 7.7 IU / ml. In severe AD the colonization was 9.3 times as high as it was in the control group, in average AD - 7.6 times and with a mild AD - 5.7 times (P^{<0.05}). Candida spp. in the intestine correlated with the severity of the disease (r = 0.5, P <0.001). Increased total Ig E was in all clinical forms. High contamination was determined in patients with lichenoid and pruriginosis forms 5100 ± 93.52 CFU /ml and 4800 ± 52.08 CFU / ml, the smallest one - in patients with exudative form 2700 ± 44.57 CFU/ml.

CONCLUSIONS: Candida spp. in the intestine influence on the severity of AD. Therefore, mycodiagnosis of intestinal will contribute to successful therapy and reduction of severity of the disease.



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