



ATOPIC ECZEMA/DERMATITIS

NEW APPROACHES TO PHYSIOTHERAPY IN PATIENTS WITH ATOPIC DERMATITIS.

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Background: In order to find new physiotherapeutic possibilities in patients with allergic dermatoses, the procedure was used-auro-mineralotherapy with the use of minerals - silicon. Chemical analysis of siliceous pebbles showed that the composition contains rock-forming, ore, impurity elements. Experimental clinico-microbiological studies have shown that, due to this chemical composition, minerals possess anti-inflammatory, antibacterial and regenerative properties.

Objective: 42 patients with atopic dermatitis aged 18 to 31 years were under observation. Among them 23 female patients and 19 - male.

Materials and Methods: All patients underwent clinical (definition of the DISS index, SCORAD), microbiological studies. As a physiotherapy, auro-mineralotherapy with silicon was recommended.

Results: In 12 (28.6%) patients, the dermatological index of the symptom scale was - the average severity level, 24 (57.1%) had a severe degree and 6 (14.3%) had mild severity. Microbiological studies have revealed a high growth of Staphylococcus spp. On the skin in patients with AD, which amounted to 84.3% of cases and the average colonization of St. Aureus - 1843.5 ± 624.1 KOE / cm² (P < 0.05, in healthy individuals - 17.6 ± 11.5 KOE / cm²).

The results of clinical observations showed that auro-mineralotherapy contributed to an improvement in the clinical course of atopic dermatitis. There was a decrease in the index of the Dermatological Index of the Symptom Scale (DISS) - 5.2 times and SCORAD - 15.2 times compared to treatment (P < 0.05). On the skin in the lesions the level of colonization is St. Aureus was reduced 3.2 times compared to the treatment (P < 0.05).

Conclusions: auramineralotherapy with silicon has a high therapeutic efficiency, which contributed to an improvement in the clinical course of the disease and the microbiological skin pattern. During physical therapy with natural minerals, no side effects were observed.

