

DYNAMICS OF HISTAMINOPEXIA AND SEROTONINOPEXIA IN NEURODERMATIS PATIENTS DURING OZONE THERAPY.

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It is known that small doses of ozone lead to selective oxidation of the aminoacids. Sulfur contained and aromatic aminoacids are most sensitive to ozone activity. Particularly during ozone influence histidine (predecessor of histamine) level is decreasing. The increase of biogenous amines in the acute stage with heritable deficit of the plasmopexic fractions (histaminopexia and serotoninopexia). Ozone therapy by means of minor autohemo-ozone therapy and rectal insufflations was used for treating 60 neurodermatitis patients, 27 male and 33 female persons. Patients were from 9 to 35 years of age, 21.8 years in average. The disease lasted from 1 to 35 years (18.7 years in average). The study of histaminopexic index (HPI) and serotoninopexic index (SPI) was made before ozone therapy course, the 2nd test was performed in 10 to 14 days of monoozone therapy and the 3rd test after the complex treatment which included traditional aids. 32 patients (53 %) demonstrated clinical remission, 27 (45 %) significant improvement and 1 patients (2 %) had small improvement. Initial HPI level is not significant high than control group data (19.49 ± 7.04 %, the normal is 16.4 ± 1.1 %). After 10-14 days of the monoozone therapy, HPI was increased to 30.33 ± 7.12 %. After the treatment HPI was decreased to 9.86 ± 3.69 %. Initial SPI level was 19.84 ± 1.59 % (the normal is 21.2 ± 2.8 %). In neurodermatitis, complicated by eczema, SPI level (13.49 ± 2.33 %) was significantly lower than in general group data ($p < 0.05$). After 10-14 days of the monoozone therapy SPI was increased to 21.12 ± 1.59 %. After the complex treatment SPI was decreased to 18.26 ± 1.29 %. Generally SPI dynamics was like to HPI activity changes. During ozone treatment histaminopexic and serotoninopexic plasma activity increased. Decrease of that data after the treatment may be explained by elimination of connected histamine and serotonin from organism.