

PERIODONTOSIS (DISEASE OF THE BONE HOLDING TEETH) TREATED WITH ALOE EXTRACT

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V. Filatov points out that biogenic stimulators increase cell metabolism, increase the regenerative capacity of the organism and facilitate its fight against disease.

Experiments on rabbits have shown biogenic stimulators, particularly the extract of aloe, to possess the property to cause the regeneration of nerve fibres, the use of aloe extract has arrested the destruction of remaining nerve fibres and restored the auditory function in patients suffering from poor hearing.

Under the influence of aloe extract the activity of cell enzymes increases, and this improves tissue resistivity. All the above mentioned properties of tissue therapy induced the application of aloe extract for the treatment of periodontosis. An aqueous aloe extract was used for the subgingival and superingival dental calculus. Curettage is better conducted under local anesthesia, and only after the latter takes effect aloe injections are started. 1 ml aloe injections are given daily.

For painless administration aloe is mixed with 1 ml of a 0.5% procaine hydrochloride solution and this mixture is injected at each affected tooth. The course of treatment includes 30 injections with a 5 day interval following the 15th injection.

More than 150 patients, both men and women, were under observation. Completely examined were 92 of them. These include 42 men and 50 women. . . .

The patients were under observation from 3-4 months to 3-4 years. As to the degree of periodontosis the patients were distributed as follows: 1st degree - 31 patients, 1st to 2nd degree - 37, 2nd to 3rd degree - 24 patients. . . .

As to the clinical course of the disease under the effect of treatment, the following was observed: 3-4 injections reduced bleeding from the gums, itching of the gums disappears; 6-8 injections result in the disappearance of secretion from the pathological gum pockets, the unpleasant taste and odor in the mouth disappear, as well as the nagging toothache. After 12-15 injections the patients indicate a sensation of freshness in the oral cavity and a feeling of stability of the teeth.

Objectively the gums assume a normal coloration, edema disappears. The marginal gingiva more tightly embraces the teeth at their necks and in some cases loose teeth become stronger. Besides that the number of lymphocytes in the blood drops to normal as a result of treatment. . . .

We are citing some case histories by way of illustration:

Patient T., 26 years old, book-keeper, called at the clinic on 12th Nov., 1956,

complaining of bleeding from the gums, unpleasant odor from the mouth especially in the morning, nagging pain in the region of 321 123 teeth. Gum bleeding started a year before. Consulted a doctor who suggested gargling with hydrogen peroxide which brought no relief. By the spring of 1957, his condition sharply deteriorated, with purulent excretion from the marginal gingiva and a feeling of loose teeth. Diagnosis - periodontosis of the 2nd degree. On 15th November, curettage. After local treatment and 30 injections of aloe with 0.5% procaine hydrochloride - clinical recovery occurred. No bleeding, gums assumed normal color and density, no excretion, no sensation of teeth instability. Lymphocytes before treatment - 41%, after treatment - 29%. Examination 4.5 months later revealed no symptoms of relapse.

Patient Ch., 52 years, scientific worker, called at clinic complaining of nagging pain in all teeth, particularly in the region of 8T, bleeding from the gums, unpleasant taste in the mouth, suppuration from marginal gingiva and loose teeth. Considers himself ill for a long time, consulted doctors who suggested rinsing and removal of loose teeth. Diagnosis: periodontosis of the 2nd-3rd degree.

Upon removal of subgingival and supragingival dental calculus, and a course of treatment with injections of aloe and 0.5% procaine hydrochloride clinical recovery occurred; bleeding, nagging toothache and unpleasant odor from the mouth disappeared, teeth became much more stable. According to the patient, after treatment he could easily chew food of any hardness. Every examination showed that after treatment no changes to the worse were observed. Lymphocytes before treatment - 44%, and after it - 23%. The patient was followed up for about 2 years with no relapse symptoms observed....

CONCLUSION

Treatment of periodontosis with aloe extract produced positive results, both direct and remote.

In 75% of periodontosis patients the number of lymphocytes increased. The number of lymphocytes returns to normal under the effect of treatment with biogenic stimulators. The reduction in the number of lymphocytes to normal is, to a certain extent, an objective indication of treatment results.