

PERIODONTOSIS (DISEASE AND LOSS OF BONE HOLDING TEETH)  
TREATED BY EXTRACT OF ALOE

(Also reference to treatment of cataracts and hearing impairment.)

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In periodontosis treatment should be directed at the correction of the upset or distorted neural functions by using neurotropic drugs tending to normalize metabolic processes in the tissues. With this purpose an aquaous solution of aloe extract in 1 ml ampules was used in the treatment of periodontosis patients. The property of aloe extract to cause regeneration of nerve fibres is proved on rabbits in which cataract of the cornea was experimentally induced. After the stabilization of the process (in 3 months' time) a regeneration of nerve fibres was caused in the animals by injections of aloe extract, which was confirmed by increased sensitivity of the cornea in the region of the cataract and also by histological examinations.

Treatment of hearing impairment with aloe extract showed that the application of tissue therapy made it possible to prevent the destruction of still remaining nerve fibres and preserve their function.

Aloe extract was used for (periodontosis) according to the general methods worked out by the school of Academician V. Filatove. . . . A complete course of treatment (30 injections) was given to 128 patients, 40 patients were given 15-20 injections, 15 patients - 45-50 injections, 7 patients were given a double course of treatment and 1 patient - a triple course. . . . The gravity of disease differed. 63 patients had periodontosis of the 1st degree, 98 - of the 2nd degree and 30 patients - of the 3rd degree. . . .

Parallel to injections thorough currettage was carried out. As a result of treatment pain, itching, sensation of numbness (parethesis) and other subjective sensations disappeared in the course of 2-7 days.

In 3-7 days the development of symptomatic gingivitis was arrested and purulent exudate visible to the naked eye sharply decreased, to cease completely in 8-10 days. In presence of deep pockets (7-10 mm) the secretion lingered for a longer time (2-2.5 weeks.) In cases of bone tissue atrophy of the 3rd degree and pockets reaching to the apex of the tooth root, complete elimination of secretion did not often occur, but in view of the fact that pain abated, looseness of teeth lessened so that the patients could use them for chewing, these teeth in the majority of cases were not extracted.

No complications were observed after the injections. . . . Thus, after examining the patients within various periods of time following treatment, improvement of subjective symptoms was marked: less hemorrhage, less frequent abscess formation, less purulent exudate and in a number of cases teeth became more stable even after the 1st and 2nd degrees of looseness. . . .

Best results were obtained in patients who were given a second course of aloe injections.

X-ray follow up examination of patients 1-2 years after treatment showed no marked decrease of osseous matter in periodontosis of the 1st and 2nd degrees, which was the case at the beginning of treatment; progressive atrophy was observed on in the 3rd degree periodontosis patients or in teeth subjected to mechanical damage.

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