APPLICATION OF BACTERIOPHAGES IN THE TREATMENT OF PERIODONTAL DISEASE. CLINICAL TRIALS

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High frequency and the crescent of resistance of microorganisms to antibiotics and multiple complications in their use dictate the necessity of searching for alternative tools against periodontal infection.

The aim of this research was to evaluate the antimicrobial effectiveness bacteriophages in periodontology

Hundred and ten patients (59 women, 51 men) having inflammatory periodontal disease were recruited (Please describe brefly the type of periodontal disease that affected patients and if you use any criteria to select the type of patients according to the disease entity). Patients were divided in 3 groups: a test group, a positive control group and a negative control group. In the test group (number of patients), Phagodent was used as an additional therapeutic medication; in the positive control group (number of patients), Metrogyl Denta (metronidazole + Chlorexidine) was used; in the negative control group (number of patients) no additional therapeutic medication were applied. The following clinical parameters were recorded to compare the 3 groups : (please describe brefly the parameters and the purpose of using them) Index Silness-Loe, PMA by C.Parma, index by H.R. Muhlemann&Cowell were used.

The study shows the reduction of intensity of disease symptoms, elimination of inflammation and intensive bleeding when using Phagodent for 3 to 8 days compared to comparison group and 3 to 16 days compared to control group. (Please describe the main results according with the parameters used to evaluate the comparison between groups.)

No side effects have so far been detected (please report how long patients have been followed in terms of weeks, months or years). (Please define clearly the main conclusion of the study).