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22. Salivary levels of Aspartate Aminotransferase in patients with initial periodontal levels

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Objective: To assess the levels of of salivary aspartate aminotransferase (AST) at patients with initial periodontal lesions at the baseline and 4 weeks after scaling and root planing.

Methods: A cross-sectional study included 68 patients, aged 19-34 (Mean $\pm$ SD 26.80 $\pm$ 4.22) with generalized incipient chronic periodontitis (1-3mm) were selected. The AST salivary levels were assessed biochemically at a baseline and 4 weeks post-operative. The Ethical Approval from the Ethics Committee of the University of Medicine and Pharmacy "Nicolae Testemitanu" and informed consent were achieved prior to study. Correlation between periodontal parameters values and AST levels were analyzed by Pearson's coefficient. Periodontal parameters such as periodontal depth, clinical attachment level, bleeding on probing were assessed.

Results: The AST salivary levels indicated a sustained, statistically a significant decrease after treatment ($F=13.983$, $p<0.01$). There was a positive correlation with periodontal parameters PD, CAL, BOP at a baseline ($p<0.01$) and after 4 weeks ($p<0.01$, $p<0.01$, $p<0.05$).

Results: These results indicate that salivary AST levels are correlated to inflammation and destruction of periodontal tissues, suggesting useful markers in periodontal therapy. AST also can be considered an indicator of prognosis of periodontitis.

P19. DIODE LASER ASSISTED TREATMENT OF GINGIVAL OVERGROWTH ON A PATIENT WITH FIXED ORTHODONTIC APPLIANCE

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Adriana Barylyak, Myron Uhryn

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Ege University, Izmir, Turkey

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