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Effect of Periimplant Keratinisation on Crevicular Fluid Tumour Necrosis Factor Alpha - A Proinflammatory Cytokine


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ABSTRACT

Objective: To find out the relation between periimplant keratinization and crevicular fluid tnf alpha values, a proinflammatory cytokine. Methods: The study comprised a total of 10 subjects including both male and female within the age of 30-60 years having implant in their mouth. Peri-implant crevicular fluid and swabs were collected from the patient. Peri-implant crevicular fluid was collected using graduated micro capillary tubes from the mesial aspect of the implants. Attached gingiva adjacent to implant selected as the site for obtaining cellular material from the surface of the oral mucosa. The cellular material was obtained by scrapping with wooden spatula. The samples were stored in sterile eppendorf tubes at -200 Celsius until the start of the experiment . Slide from each patient was prepared for the microscopic examination after staining with Papanicolaou's technique. The number of superficial basal and intermediate cells were counted out of 100 cells and calculated the mean of keratinized cells. Conclusion: There is a decrease crevicular tnf alpha values with increase in keratinisation. **KEYWORDS:** periimplant crevicular fluid (PICF), TNF- α , periimplant keratinisation, proinflammatory cytokines.

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