DEFENSE FACTORS IN SALIVA AND LOCAL ALTERATIONS

Abstract:
Oral mucosa and salivary glands act together to protect oral environment. Saliva is an important defense mixture of water, electrolites, proteins and enzymes. The called whole saliva, the fluid present in oral cavity, is produced by different salivary glands, aggregates gingival crevicular fluid and plasma transudated from capillary bed beneath the oral mucosa. It is important to consider the evident and important role of saliva in defense and protection of oral tissues. Both, mucosal and systemic immune system play a role in defense against infections, which means innate or adaptive, cellular or secretory defense system are important. The oral cavity is continually confronted with a huge number of pathogens, and when initial protective oral defenses are overwhelmed, microorganisms can penetrate the mucosa, create an initial focus of replication and spread. We propose to observe the presence of local inflammation (gingivitis and periodontitis) and its influence on defense factors in saliva. The study will compare saliva components in two different groups of patients: Group 1 (control group) – 10 Patients, healthy (no systemic diseases) without oral infectious; and Group 2 – 10 Patients, healthy, with clinical signs of oral infection. It will be determined by ELISA the presence of alfa-defensin-4, mucin-2 and beta-defensin-1 and 2. (Proc. FAPESP 2012-16581-0)