

Current biomaterials and surgical techniques used in oral implantology

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Oral implantology is part of the modern concept of oral rehabilitation treatment, through its qualitative application, we are bound to meet both the functional needs and the physiological needs of the patients.

During the years, it has been attempted to use a variable number of biomaterials for making implants, of which only a few have survived, possessing certain binding properties required to achieve long-term success. A mandatory condition imposed on all biomaterials is to ensure the lack of local and general harm.

The complications and failures that we face daily and try to solve them in the shortest time that occur after a usual surgical treatment or the insertion of one or more dental implants, often have a vicious or a general illness at the origin or an incorrect technique applied by the operator.

In this presentation, we will try to systematize the surgical techniques we use at the moment, with which we try to minimize the appearance of a complication. All of these can not be imagined without using biomaterials - bone substitutes, membranes, etc. Here we will discuss the most suitable biomaterials with which we repair the bone defects but also reduce the subsequent costs.

The presentation will include a rich and current case in which we will try to systemize the most suitable surgical techniques for manipulating soft and harsh tissues in order to obtain an esthetic and functional treatment.

Key words: biomaterials, implants, surgical tecnic, complications, failures