

LIGAPLANT- A REVOLUTIONARY CONCEPT OF PERIODONTIO-INTEGRATED IMPLANTS

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ABSTRACT

Missing tooth replacement is a patient's demand dentists have to meet without fail. Replacement by implants has gained a lot of popularity among patients nowadays. Oseo-integrated implants present a challenge of excessive stress accumulating at the crestal region of the implants leads to bone loss whereas, periodontio-integrated implants i.e.,- ligaplasts have the potential of PDL regeneration thus mimicking the natural tooth in distributing the forces throughout the length of the root. The regenerated periodontal ligament dissipates these forces through the compression and redistribution of its fluid elements, as well as through its fiber system and hence provides shock absorption and cushioning effect to the implant in response to these forces. Although it is a technique sensitive procedure, ligaplasts can alleviate problems which implant usually faces such as infrabony defects, gingival recession of the missing tooth site. Thus, it can be understood that generating a periodontal-like tissue around implants is possible and might be the future in

the field of implantology. An online search was done on Google Scholar search platform, on the topic of ligaplast. Relevant articles have been referred to throw some light on this concept. This review article includes references of publications from 1982-2020, which is related to promising outcomes of use of periodontio-integrated implants over the conventional osseointegrated ones.

KEYWORDS- Dental implants, Periodontal Ligament, Ligaplast, Periodontio-integrated implant.