Reg. No: RJ17D0105798 ISSN No:2582-0362

HEB JOPD

Journal of Prosthodontics Dentistry
An Official Publication of Bureau for Health & Education Status Upliftment
(Constitutionally Entitled as Health-Education, Bureau)

Inverted Body Shift Concept in Macro-Implant Design: A Review

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Abstract

A new implant design is presented that improves on traditional tapered implant designs by increasing labial plate dimension and tooth-implant distance in maxillary anterior extraction sockets. Tapered implants, in general, are divergent and wider at the coronal aspect of the implant, adjacent to the lowest bone volume. Decreasing bone around implants over time can result in ridge collapse, recession, and a greying effect of the gingival tissues, all of which can have a negative impact on aesthetic outcomes. This implant design incorporates a body shift in diameter, shape, and thread pattern, as well as a reduction in the coronal portion, to allow for greater circumferential bone thickness where it is most needed for long-term stability.

Keywords:

Tapered Implants, Esthetic Zone, Body-Shift Concept, Coronal Diameter, Extraction Sockets, Circumferential Bone Thickness

Access this Article Online	Quick Response Code:
Website:http://heb-nic.in/jopd	
Received on 04/04/2022	
Accepted on 11/04/2022 © HEB All rights reserved	