

Characteristics of Newly Developed "Protect-447" Dental Implant in Korea

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Dental implant have been successfully used for more than 30 years with variety of biomaterials and different design. However, most of the dental implant have been used in Korea were imported from western country such as United State and Europe. It is well known that average jaw bone of the Asian is relatively small compare to western people. We should be concerned to preserve bone tissue next to dental implant as much as we can for the better prognosis. Not only size of the jaw bone, diet pattern of the Korean is also quite different with western. We have to keep in mind that many of the Asian food are so hard and tough that the dental implant design should not be the same with imported implant from western in terms of better stress distribution.

It would reasonably be the next step to develop and manufacture appropriate dental implant for the Asian patient in Korea. Therefore, purposes of this presentation are to review procedure of research and development of newly developed dental implant "Protect-447" and it's clinical application.