

8. Co relation between primary stability and final stability in dental implants

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Primary stability is considered to be one of the major area of concern during the placement of implant. It has also been linked with the success of implant according to various authors ,however it should be noted that the final stability of the implant is ensured by osseointegration governed by proper healing in the peri-implant area. So a study was conducted to determine the correlation between primary and final stability and whether final stability is affected by comparative lower initial stability (as compared to conventionally accepted optimum) and initial bone density. Overall 40 implants(adin touareg s) were placed out of which 17 were placed as per manufacturer (with a negative disparity between implant diameter and osteotomy) instructions and 23 were placed with modified protocol with no disparity between implant size and osteotomy. Stability was measured with ostell mentor as isq at placement isq0,3 weeks (isq 3),6 weeks(isq6) ,9 weeks (isq 9) and at 12 weeks(isq12) in both control (isqc) and test group (isqt).

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