

Clinical Outcome of Immediate Non Functional Loaded Implants, Immediate Versus Delayed Immediate Implantation

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Abstract

Purpose: To evaluate the success rate of immediate nonfunctional loaded implants used into fresh extraction sites (immediate post extraction implantation) and into healed extraction sites

Material & Methods: The present study was conducted on 13 patients, 6 of them underwent immediate post extraction implantation, while the other 7 patients were underwent delayed immediate implantation with a total of 16 implants. Each patient was a candidate for single tooth replacement in the mandibular arch at the premolar area. CBCT was performed at the intervals of immediately after implant installation and 6 months postoperatively.

Results: The bone density measurement at base line, and after 6 months have showed that the delayed immediate group showed statistically significantly higher mean % increase in bone density measurement than the immediate group. Despite the expected higher values of delayed immediate group, yet the percentage changes in bone density for the 2 groups was equivalent as there was no statistically significant difference between mean percentage changes of the 2 groups after 6 months.

Conclusion: The results of this study suggest that although the success and survival rates of early placed implants were a little higher than immediately placed implants, the difference was not remarkable. In conclusion, both implant insertion techniques are safe and reliable procedures with considerably high survival rates.

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