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Treatment of Periapical Dental Implant Pathology with Guided Bone Regeneration


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Abstract: Peri-implantitis is the inflammatory process that takes place around alveolar bone surrounding the dental implant. Unless treated, it may result with the loss of the implant. Another cause of the loss of implant is the periapical implant pathology (PIP). Resective surgical procedures are used in the treatment of PIP, however; this case report will provide information about regenerative applications performed on a dental implant. After the referral of the patient, the surgical debridement followed by bone graft and a resorbable membrane application were performed to complete the surgery. Six months follow-up of the patient who received regenerative treatment, resulted with no symptoms of infection, pain or any discomfort. Regenerative treatment may be an alternative to resective surgical procedures in the treatment of PIP.

Key Words: dental implant, peri-implantitis, therapy, apical inflammation

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