

ONE YEAR FOLLOW UP OF AN IATROGENIC ROOT PERFORATION TREATED WITH MINERAL TRIOXIDE AGGERGATE (MTA) AND VERTICAL BONE LOSS GRAFTED WITH NOVABONE BONE GRAFT PLUS PLATELET RICH PLASMA (PRP)

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ABSTRACT

Aim

To evaluate 12 months post treatment results of Novabone[®] plus PRP in a vertical defect along with MTA placed in an iatrogenically perforated tooth.

Case Presentation

Periodontal flap procedure in relation to 21,22 and 23 was done along with placement of Novabone[®] bone graft +PRP and closure of perforation with MTA in 22 was done. Post operative recordings of Plaque index (PI),Gingival index (GI), Clinical attachment level (CAL) and pocket depth upto 12 months with the help of acrylic stent were taken.

Results

Results showed uneventful healing and decrease in pocket depth in relation to 22 where the bone graft + PRP was placed.

Conclusion

Pocket depth and CAL showed a significant reduction from baseline to 12 months in site treated with Novabone[®] bone graft. This means that the graft material was well tolerated by the patients and is effective in regenerating the lost periodontal tissues. Also, MTA placed in perforated teeth provides good sealing and aids in periodontal health.

KEYWORDS: Novabone[®], Bone Graft, Vertical Defect, Periapical Radiolucency, MTA

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