Title: the use of ionomer cements in subgingival restorations and furcation defects

Abstract: Clinical applications for glass ionomers include restoration of erosive lesions, prosthesis cementation and core material. In addition, glass ionomers have also been used as orthopedic granular bone substitute.

Periodontal disease commonly results in furcation involvement of multirooted teeth, complicating treatment and prognosis. The treatment of Periodontal furcation defects normally consists of scaling and root planning, apically-positioned flaps, tunneling, root amputation, root resection, guided tissue regeneration or bone graft.

Recently, glass ionomer cement have been suggested as a treatment choice of molar furcation lesions, functioning as an occlusive barrier. This material have demonstrated biocompatibility to both soft and hard tissues of periodontium. Some advantages are such as easy placement in to a furcation, elimination of sutures and the second stage procedure for retrieval, epithelial attachment, bacteriostatic properties due to fluoride release and lower cost.

The following article reviews the literature regarding the use of glass ionomer cements in the management of furcation lesions.

furcation defect, glass ionomer

Presentation: Poster