

## ESTHETIC MANAGEMENT OF EXPOSED ROOT SURFACE WITH GIOMER A CASE REPORT

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### INTRODUCTION

In recent times, there is an increase in the number of patients seeking cosmetic dental procedures so as to enhance their smile and personality. The esthetic dentists should be well equipped to meet the demands of modern society(3). There is an increase in number of patient who suffer from periodontal condition which often leaves the teeth with denuded root surface. This exposure of radicular dentin can be because of overzealous teeth brushing, trauma etc which causes recession of the marginal gingival tissue.

The patient reports always to the operatory with sensitivity, mobility and unesthetic appearance of Periodontal disease often leaves the patient with exposed radicular dentin. For example, overzealous tooth brushing and trauma to the gingival marginal tissues, with subsequent wear of dentin can also be the reason for exposed dentin.(1,4) Frequent symptoms of these patients include sensitivity and unesthetic appearance of the affected teeth. This, in turn, can have a negative impact on their quality of life, especially with regards maintaining optimal dental hygiene and esthetics.(6)

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The pink composite was introduced by Zalkind and Hochman in 1997. This is a composite with gingival-color which helps to create a life-like tooth easily by reconstructing the red-white boundary with higher esthetics. This material provides long-lasting, with low abrasive values, high compressive, and transverse strength.(2,3) In this article, we present a case report where pink composite Beautiful Giomer was used to restore an anterior tooth with gingival recession.

### DISCUSSION:

Esthetics is determined by both the hard tissue (teeth) and soft tissue (gingiva) of the oral cavity.(7) 3 Dimensional esthetics is obtained only with the restoration of the gingival architecture. Pink composite become an alternative approach to the traditional bone grafting.(4) Superior esthetics can be achieved with pink composite as they come in various shade. They also are cost efficient, non invasive and less time consuming. The material in itself has high retention and color stability with minimal shrinkage.(5)(6) Long-term success of these restorations depends on proper case selection, following the procedural steps meticulously, and maintaining proper oral hygiene. High

occlusal loadings cause a larger disruption of bonds between hydroxyapatite crystals on both enamel and dentin tissue at cervical areas occurring as abfraction in the tooth.(7)

### INFORMED PATIENT CONSENT

Appropriate patient consent was obtained. Patient gave consent for his images and clinical information to be published in the journal. The patient understands that name and initials will not be published and due efforts will be made to conceal his/her identity, and that anonymity cannot be guaranteed.(1)

### Intraoral pictures



## Radiographs



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