

Restoration of Anterior Fractured Teeth Using a Custom - made Silicone Matrix

INTRODUCTION

This study evaluates patient outcomes regarding aesthetics, durability, and overall satisfaction, highlighting the advantages of restorations using a custom - made Silicone matrix. Usually for anterior tooth restoration, a diagnostic wax-up is typically recommended and is efficiently obtained using a silicone-guided matrix. However, when immediate aesthetic outcomes are required, a wax-up may not be feasible.

METHODOLOGY

- As seen in figure 1 patient with fractured central incisors is selected for this technique.
- An impression is taken for the patient using a poly vinyl siloxane material as seen in figure 2.
- All the occlusal records are recorded in the impression (Figure 3)
- Impression is tried on the patient using mesio facial inter proximal line angles taken as guidance. (Figure 4)
- The palatal surface of impression lined with achromatic enamel shade and tried on the teeth. (Figure 5)
- Followed by increments of an opalescent dentin shade. (Figure 6)



Ellis class I, II
fracture
Class IV caries

INDICATION

Pulpal
involvement
Periodontal
involvement

CONTRAINDICATION

Faster results
Reduces time for
occlusal adjustment
No need for extra
inter occlusal records
(anterior, lateral)

ADVANTAGE

Reference -

