

Immediate bracket: A new horizon**Stephen Chain**^{*1}, **Kenneth Tan**², **Vaibhav Vashishta**¹ and **Rajni Singh**¹¹Department of Orthodontics, Chandra Dental College and Hospital, Faizabad Rd, Dharsania, Uttar Pradesh 225003, India²Department of Orthodontics, Oxford Dental College, 10th Milestone, Hosur Rd, Bommanahalli, Bengaluru, Karnataka 560068, India***Correspondence Info:**

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Abstract

Brackets are the key for success in the correction of teeth. Often we see that breakage and loss of the bracket hampers the treatment and can cause mayhem. Replacing is always expensive and a hefty toll is placed on the patient. Our method is an arrangement this expensive replacement.

Keywords: Brackets, Immediate, Composite.

1. Introduction

Orthodontics involve braces placement for the treatment of malocclusions. The greatest torment on the orthodontist is one with the breakage of the appliance and the loosing of the bracket; the esthetic one. The delay in the treatment and the loss of the desired result does follow upon for these cannot be replaced at once. The replacement does hamper the cost and the preplanned treatment of the patient. This technique devised helps us to solve few of our problems chair side without the extension of the treatment time.

The for the orthodontic is a long one and takes years to finish the case and this loss not only creates an increase in the time limit and the operator as well as the patient becomes impatient. This Loss of an esthetic bracket can sometimes be frustrating for the patient and the operator and if not replaced in time can lead to irregular movement of teeth for the period of absence of the bracket.

Composites are widely used in orthodontics as bonding, filling and sometimes even as button[1]. We have formulated a way to form an effective and cost effective composite bracket.

2. Appliance design

Our step in fabrication was as follows:

- 1) Armamentarium consist of light cure composite, light cure gun, separator, glossy paper wire [.017x.025ss](Figure 1)
- 2) Separator was placed over the glossy paper(Figure 2)
- 3) The internal rim was filled with composite and cured (Figure 3A &B).

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- 4) A drop of composite was added over the rim (Figure 4).
- 5) A piece of wire was placed over the composite and cured (Figure 5).
- 6) The wire was then removed and cured again.
- 7) The finished bracket created was an edgewise bracket (Figure 6) and placed accordingly on the tooth(Figure 8)

3. Conclusion

Breakage causes delay in the treatment and the loss of the bracket especially the anteriors can cause an increase cost of the replacement with the metal loses its purpose. The immediate replacement can stabilize the result until the bracket could be replaced. This simple and efficient method allows not only a replacement but also allows the continuation of the treatment [2].



Figure 1: Armamentarium: Light Cure Composite, Light Cure Gun, Separator, Glossy Paper Wire [.017x.025ss]



Figure 2: Separator was placed over the glossy paper.

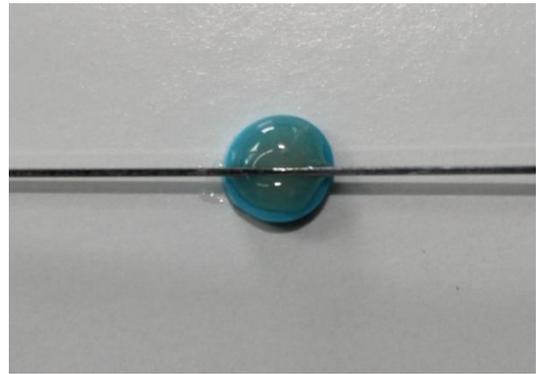


Figure 5: A piece of wire was placed over the composite and cured

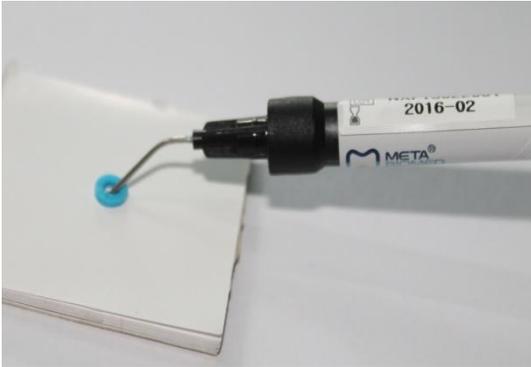


Figure 3A: The internal rim was filled with composite and cured



Figure 6: The finished bracket

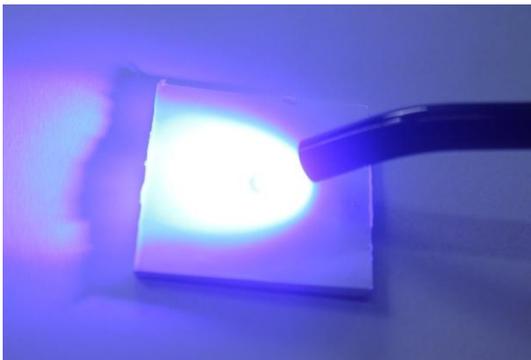


Figure 3B: The internal rim was filled with composite and cured



Figure 7: The finished bracket placed on the tooth



Figure 4: A drop of composite was added over the rim.

Reference

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