

An easy & simple way of applying stamp technique in direct composite restoration



Sulaimani Dent. J.

Dr. Mohammed Abdullah Mahmood - BDS

Abstract

Objectives: Stamp technique is a method used with composite restoration in order to restore the original surface morphology of the tooth. This technique is indicated in all surface restorations when the anatomy of the tooth is not disturbed by carious lesions, as detailed anatomy of the tooth is gained by applying this technique.

The aim of this clinical trial is to restore the exact anatomy during composite restoration by stamp technique to enable dentists to overcome difficulties in duplicating occlusal anatomy by free hand layering technique.

Patients and methods: This clinical trial was performed on five patients with class 1 caries; all five cases were restored by using stamp technique with composite resin material.

Prior to treatment a stamp was made by using light cure flowable composite & Calcium hydroxide hold by micro brush and light cured, then the cavity was prepared following routine steps of cavity preparation. The Composite was placed incrementally according to the depth of the cavity, until the last layer was reached, at which point composite was added or applied into the prepared cavity by pressing the occlusal stamp against the tooth with the aid of a piece of Teflon as a separating layer. After removing the stamp, the Teflon was removed by slapping over the composite in a horizontal direction in order not to remove the composite with it, then the excess was removed and marginal adaptation was done by using a micro brush, and the composite was cured.

Results: The restorations were done with the exact anatomy and with minimum manipulation to avoid excess removal and polishing. Every patient was satisfied with the restoration regarding time consumed for each restoration, and they were assessed after one month, with no problems identified.

Conclusion: Stamp technique is an easy method of restoration of surface morphology of the tooth without any occlusal disharmony or time consumption implications.