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Direct Composite Restoration With Stamp Technique

Yolanda¹; Anna Muryani¹

¹Staff of Department Conservative Dentistry, Padjadjaran University, Bandung, Indonesia

ABSTRACT

Creating functional and esthetic form on posterior teeth is very challenging. Efficiency and effectiveness are important to achieve a good restoration. There are many ways and techniques to restore posterior teeth, one of them is stamp technique. Typical indication of stamp technique are large single-tooth restoration, occlusal rehabilitation and direct fibre reinforced fixed partial denture. Describe a step by step of stamp technique to restore posterior teeth. A 21-year old female referred from the Department of Orthodontics, Faculty of Dentistry, Padjadjaran University for reshaping lower left tooth due to a dental anomaly. The clinical examination showed a free caries at mandibullary left second premolar (tooth 35) and diastema 2 mm at mesial region. The vitality test was positive. The radiographic examination showed that root of 35 shorter than other. The treatment plan is reshaping and recounturing with direct composite restoration using stamp technique. The stamp technique can be an alternative technique to restore posterior teeth with direct composite in an effective and efficience way.

Keywords : Stamp technique, restoration, reshaping, composite.

INTRODUCTION

Direct composite restoration is currently the standard technique for direct restoration.¹ Direct composite restoration use to restore defects, repair tooth structure invisibly and change toothshape and alignment.² Dental composite has advantages as a restorative material due to esthetics, conservation of tooth structure, adhesion to tooth structure, and low thermal conductivity.³ The conservative treatment approach is best collaborated with the use of composite due to their ability of bonding to many surfaces including natural teeth.³ With good case selection, proper adhesion and placement, posterior composite can provide successful and predictable restorations that may match the appearance of natural teeth.⁴

Nevertheless, resin composite still has minor weakness. Placing successful posterior composites is difficult, tedious, and time consuming. The procedures includes achieving