

The Success Rate of Anterior Crowding Orthodontic Treatment Using Removable Appliances

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Abstract : Orthodontic treatment can be done by using the fix and removable orthodontic appliance. The success of treatment depends on the patient's age, the type of malocclusion, treatment of space discrepancy, patient's oral hygiene, operator skills, and patient cooperation. This case report was aimed to show the success of orthodontic treatment in patients with skeletal class I relationship, class I angle dental malocclusion with anterior crowding and rotation by using a removable appliance with modification. The removable appliance used is standard with removable plate components such as passive clasp (Adam's hook clasp) accompanied with some active clasps (labial bow, some springs, etc.). A button is used as an additional tool or combined with other tools to correct tooth in rotated position. The results obtained by the success of treatments which is shown in pre and post-treatment photos, the overjet was reduced, the arch form became normal, the tooth malposition became normal, and rotation was corrected. Facial profile appearance of the patient is getting better, and the dental coordination also became better. This case report is to prove that treatment with the removable appliance is quite successful with the robust wearing of appropriate retainers.

Keywords : success rate, anterior crowding, orthodontic treatment, removable appliances

Conference Title : ICDOH 2019 : International Conference on Dental and Oral Health

Conference Location : Dublin, Ireland

Conference Dates : March 21-22, 2019