

Effect of Clear Aligner Attachment Size on Extrusion of Maxillary Lateral Incisors

Status: RECRUITING

Eligibility Criteria

Age: 12 years and over

This study is NOT accepting healthy

Healthy Volunteers: volunteers

Inclusion Criteria:

* Patients treated with either Comprehensive Invisalign or Invisalign Teen treatment * The maxillary arch has less than 6 mm of crowding or spacing * Maxillary lateral incisors have a minimum of 0.3 mm of extrusion prescribed in the Tooth Movement Table on the Invisalign ClinCheck for the first set of aligners * Maxillary lateral incisors within a normal range of bucco-lingual inclination * Patients 12 years of age or older and either the patient or legal guardian are able to give consent * Patients confirm good compliance throughout the study period

Exclusion Criteria:

* Patients do not complete all aligners in the first phase as prescribed * Poor compliance recorded for aligner wear * Restorations placed or oral surgery completed prior to final scan * Midcourse intervention to improve tracking such as a bootstrap * Maxillary lateral incisors not tracking and noted by minimum of 1 mm of aligner material incisally displaced when aligner fully seated * Treatment plans include surgery or extractions * Maxillary lateral incisors with pathology and restorations * Missing teeth other than third molars * Patients with anterior crossbite

Conditions & Interventions

Interventions:

DEVICE: Corresponding treatment order in the prescription with Align Technology, DEVICE: Superimposition of final and initial positions of lateral incisors: Predicted model, DEVICE: Superimposition of final and initial positions of lateral incisors: Gingivally beveled 1x1x3mm aligners, DEVICE: Superimposition of final and initial positions of lateral incisors: Gingivally beveled 1x1x4mm aligners, DEVICE: Superimposition of final and initial positions of lateral incisors: Gingivally beveled 1x1x5mm aligners

Conditions:

Orthodontic Appliance Complication

Keywords:

Extrusion of Maxillary Lateral Incisors, Clear Aligner Attachment

More Information

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Principal Investigator:

Phase: NA

IRB

Number:

System ID: NCT06814262

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