

Tooth Discoloration and Chairside Handling Time (Bonding-Debonding) in Flowable Versus Packable Composites for Clear Aligner Bonded Attachments: A Randomized Clinical Trial

NCT07234149

Status	RECRUITING
Phase	Not Applicable
Sponsor	University of Sulaimani
Enrollment	20 participants

Key Eligibility Criteria

Inclusion (10)

- Adults 18-40 years.
 - patients with class I malocclusion with in which there treatment will be completed in 6 month .
 - Completed clear aligner therapy and scheduled for attachment debonding at the study clinic.
 - Permanent teeth with intact buccal enamel at assessment sites.
 - No caries, restorations, cracks, fluorosis, or hypoplasia on assessed surfaces.
- ... and 5 more (see full listing online)

Exclusion (10)

- Patients younger than 18 or older than 40 years.
 - Patients presenting with severe or very severe anterior crowding (LII \gt 6 mm) or spacing will exclude from the study. Cases with posterior crossbites, open bites, or skeletal discrepancies
 - Presence of systemic diseases (ASA \gt II) that may affect healing, pain perception, or enamel quality.
 - Teeth with caries, restorations, fractures, enamel cracks, fluorosis, hypoplasia, or discolorations on the buccal surfaces at assessment sites.
 - Patients who have undergone tooth bleaching within the last 6 months.
- ... and 5 more (see full listing online)

Locations (2 total)

Private Orthodontic Clinic - Kirkuk, Kirkuk, Kirkuk Governorate, Iraq
Private Orthodontic Clinic - Kirkuk, Kirkuk, Province, Iraq