

AOA appliances, etc.

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In this issue of AOAppliances, we are excited to offer a practical perspective on two aesthetic appliances that will fulfill the needs of the adult patients in your practices. As more and more adult patients are requesting an aesthetic option to labial braces, there continues to be an increased demand on the next generation in invisible orthodontics. In the featured article by Dr. Neal D. Kravitz from South Riding, VA, you will find how his office responds to these aesthetic demands by offering an express aligner and a Social 6 lingual system.

Although this approach does not replace the use of full orthodontic appliances in his office, it does compliment it by providing a quality aesthetic option for patients in need of moderate correction.

While Dr. Kravitz has found these options very valuable for his practice; we hope that you find this issue as helpful in implementing an aesthetic express appliance in your office.

If you have any questions or would like to get started, please feel free to call me or our technical team. We look forward to seeing you at the upcoming meetings.



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STb™ Social 6 and Simpli5®:

The next generation in invisible orthodontic therapy

An increasing number of late adolescent and adult patients are seeking invisible orthodontic care to correct mild to moderate anterior malocclusions. Since 2000, Invisalign® has been the treatment alternative to patients seeking invisible orthodontics for minor tooth correction. Recently, there has been growing interest by orthodontists in alternative methods of invisible orthodontics to address limitations of the Invisalign® system.

This article will review two popular invisible orthodontic appliances provided byOrmco's AOA Laboratory: (1) Simpli5®, and (2) the STb™ Social 6 anterior lingual system.

Simpli5®

Simpli5® is a series of five sequential orthodontic aligners for correction of minor to moderate anterior malocclusions. Introduced in 2006, Simpli5® was an elaboration of AOA's previously available three-aligner system, Red White & Blue®. The additional two aligners allow for greater case complexity and improved finishing.

The DuraClear aligners are made of 0.030 in. polyurethane vacuum formed over a stone model set-up. Each aligner programs up to 0.5 mm of tooth movement, allowing for up to 2.5 mm of movement per arch.

Clinical Indications for Simpli5®

The ideal candidates for Simpli5® treatment are non-growing patients with Class I malocclusion with minor or moderate anterior crowding or spacing or who have experienced minor orthodontic relapse. Simpli5® is appropriate for the following conditions:

- 1) Crowding or spacing 2.5 mm or less;
- 2) midline correction 2 mm or less; and
- 3) rotations 10 degrees or less

Clinical studies have shown that the least predictable tooth movements with removable aligners are incisor extrusion, canine/premolar rotation, and root uprighting.^{1,2} Therefore, even a Class I malocclusion that requires extrusion of the maxillary lateral incisors, canine rotation, or bodily tooth movement to close a large diastema may be less suitable for removable orthodontic aligners and more appropriate for anterior lingual braces.

Getting Started

1). Call the AOA customer service phone number (800.262.5221) to ask for a Simpli5® starter kit, which includes: case selection examples and patient education pamphlets, prepaid mail packaging, and prescription forms.

2). Take upper and lower polyvinyl siloxane (PVS) impressions with bite registration. I prefer to use an Aquasil Easy Mix Putty® base lined with Aquasil Ultra XLV (Extra Low Viscosity) Fast Set® liner (DENTSPLY International, York, PA 17405). (Fig. 1)

3). Fill out the Simpli5® Rx form, which is also available on-line at: <http://www.aolab.com>. (Fig. 2) Select which teeth to reset; which teeth to reproximate, or whether to leave space for future restorations. Due to the limited number of aligners, clinicians should be conservative with reproximation. For more difficult cases or for highly-demanding patients, clinicians can also choose to receive a final diagnostic setup via express service to review with the patient.

Similar to Invisalign®, football-shaped tooth attachments or DuraClasps - invisible clasping insets, can be selected for greater tray retention. I do not recommend placing attachments



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