

A Modification for Active Lacebacks

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ABSTRACT

This method is a modification to the original active laceback to distalize canine.

Keywords: Laceback, Open coil spring.

INTRODUCTION

Elastomers are being used widely in orthodontics for retraction and space closure. They are used to supplement the laceback as described in systemized orthodontic treatment mechanics.¹ Individual canine retraction is usually done to make space for blocked lateral incisor or if canine uprighting is required or for anchorage requirements.

The elastomeric polymer comes with its disadvantages:

1. More force decay
2. Variable force levels



Figure 1 The arch wire is placed with the open coil spring between first and second molar. The ends of the ligatures are brought forward mesial to canine bracket and tied with the compression of the open coil spring.

METHOD

To overcome the above problems we have devised a technique of placing active lace back using open coil spring (3 mm × 0.20") with 0.009" stainless steel ligature. The open coil spring is placed between the first and second molar and archwire is secured in the brackets. Distal to the open coil spring the ligature wire is passed and compressed. The open ends are ligated mesial to the canine bracket behind the wire. When the open coil spring unwinds itself it pushes the canine distally (**Figure 1**).

CONCLUSION

This method has an added advantage of immediate reactivation, constant force application and less friction.

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