

## READER'S FORUM

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### **Torque control during lingual anterior retraction without posterior appliances.**

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**Q1.** Could you explain how the C-retractor can be removed when several teeth are connected on the lingual surface?

**Q2.** It is a reasonable concern that transverse width problems could develop between the canines and second premolars in first premolar extraction cases. Your comment would be appreciated.

**Q3.** In treatment of crowding cases, when do you begin using a conventional labial orthodontic appliance during retraction with the C-retractor?

*Questioned by*

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**A1.** The C-retractor can be removed by making grooves on the resin base. In anterior deep bite cases, the lingual pads should be made small and slim in size. When the C-retractor is removed, cutting the wire between lingual pads is followed by grinding the partial lingual pads with the high-speed dental handpiece. Next, the contact area between the pads and the teeth is reduced. Afterward, the C-retractor can be removed with the lingual bracket removal plier or weingart utility plier.

**A2.** The C-retractor is not intended for the entire treatment period. During the second half of retraction, remove the wire at the canines. From this point on, the horizontal and vertical adjustment of a canine position is performed and a conventional full bonded appliance is combined for finishing.

**A3.** In the canine retraction model it is possible to retract the canine in mild crowding cases as long as no hard early contact is present. However, if there is moderate crowding or more, using the C-retractor may have to wait until after de-crowding with the labial or lingual brackets.

*Replied by*

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