Moser Post System

Preliminary and Initial Attachment Procedures

Phase 1: Always refer to the Preliminary and Initial Attachments Procedures, page 8. Only this will guarantee a successful restoration.

Endodontic Post Restorations are utilized to preserve and restore remaining root structure. There are basically three type of endodontic post restorations (A):

1. Root cap coping (preserves root)
2. Root cap coping with attachment retaining an overdenture or partial
3. Post & core build up (crown abutment)

The standardized Moser Post System was specifically designed for the fabrication of endodontic post restorations. Other cast-to or castable post systems can also be used. For easy size identification, the Impression Pins and the Reamers are each marked with 2 markings for medium and 1 marking for small.

Phase 2: CLINICAL — Impression Technique

1. Perform endodontic treatment and remove clinical crown. Select the Moser Post size - small or medium, which will be accommodated by remaining root structure.
2. Use the round bur to slightly countersink starter hole (B). Prepare canal with selected reamer to desired depth with contra angle handpiece (C1). Be careful to not perforate the root. Try in Moser impression pin (D2). The canal may be refined by hand using the LT/RA Handle and reamer if necessary. (C2)
3. The occlusal aspect may be indexed to increase stability. (D1)
4. Pack cord if desired and take impression. Remove impression when set and replace impression post into impression if it stays in root.
5. Temporarily seal canal.

Phase 3: TECHNICAL — Model Fabrication

1. Apply separator to exposed impression pin and pour model in die stone. A small amount of cyanoacrylate may be applied to seal post to impression if necessary before model is poured.
2. After die stone has set completely, remove impression. Carefully remove impression pin from model if necessary.
3. Lubricate canal and insert appropriate color coded burn out post (E1). Complete wax pattern for coping or build-up incorporating the Moser burn out post. (E2)
3a. When utilizing castable or cast-to overdenture attachments, shorten the Moser burn-out post and incorporate component onto or into wax-up. Use mandrels for alignment when necessary.
4. Sprue and cast in appropriate alloy. The coping should be cast in a hard gold if a precious alloy attachment is to be soldered to the coping.
5. Take care not to over finish the post - use air abrasion and brushes.
6. One side of the post may be flattened to allow cement to escape. (F)

NEW MASTER MODELS

1. Endodontic post copings may be “picked up” in impression for new a master model. Leave sprue segments attached to overdenture copings to facilitate pick-up impression. Temporary acrylic heads may be made over the sprues to aid pick-up impression. An open custom tray may be fabricated to allow the dentist to apply pressure to the copings until impression material has set.

Phase 4: CLINICAL

1. Seat post copings and take pick up impression. Press copings in place to ensure positive seating until impression sets if open tray technique is utilized.

Phase 5: TECHNICAL

1. Apply Vaseline to post and underside of copings before pouring the new master model.