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.

Phase 2: CLINICAL — Post Preparation

Z-Type Stud Attachments

1. Complete endodontic procedures.
2. Flatten the root surface. Drill a starter hole in the canal with a #700 or similar carbide to an approximate depth of 7mm. (A)
3. Use a #6 round carbide to enlarge the hole to a depth of approximately 4mm. (B)
4. The diamond-sizing bur is used to cut a full recess for final sizing. Make sure that the diamond-sizing bur is rotating at all times including insertion and removal of the bur with irrigation. (C)

Straight Type Direct Stud Attachments

1. Complete endodontic procedures. Flatten the root surface. Prepare canal to desired depth with the 1.5mm diameter reamer. Shorten straight post to appropriate length. (E)

Phase 3: CLINICAL — Cementing Males

1. Cement the titanium male into prepared canals with glass ionomer or composite resin cement (D & F). Round off corners of root preparation. The Allegro OD-Direct, Uni-Anchor or other females may be added directly chair side or in the laboratory.

Phase 4: CLINICAL — Adding Female Elements Chairside

1. Create cavity in denture acrylic to accept female.
2. Place spacer over the male element and seat the female over male. Do not remove clear PVC ring around Uni-Anchor female. (G)

Alternative with Plastic Females and Metal Housings:

Insert the plastic female inserts into the metal housing with the insertion tool. Place spacer and assembled female over cemented male.

3. Try-in the overdenture to ensure complete seating over the assembled attachments. Increase cavity in acrylic as necessary.
4. Prepare small vent holes in lingual behind attachments to allow expression of excess acrylic. (H)
5. Mix thin auto-cure resin in a small dish and paint around female. (Use air first to blow away saliva around females)
6. Place excess auto-cure resin in denture recess and seat overdenture. Ask patient to close in light occlusion while resin sets. Allow auto-cure resin to set completely. Add only one female element at a time.
7. Add remaining females. Remove overdenture and remove express acrylic on lingual aspect. Polish as necessary.

Phase 5: CLINICAL — Adding Female Elements in Laboratory

1. Take impression over cemented males.
2. Send impression, remaining components including brass male analogs to laboratory.

procedures continued next page
Allegro OD-Direct, Uni-Anchor, DDB, Pivot Flex, Moser-Sphere continued

**Phase 6: TECHNICAL**
1. Insert brass male analogs into impression. Seal in place with cyanoacrylate. Pour model.
2. Complete final set-up. Do not insert the females into the set-up unless the females are processed already to a hard acrylic base.
3. Return the final set-up to the dentist.

**Phase 7: CLINICAL**
1. Verify final set-up and make any necessary adjustments.
2. Return the set-up with type written changes if need to be for final processing.

**Phase 8: TECHNICAL**
1. Read prescription, evaluate the final set-up and make the necessary change requests on the prescription.
2. Flask case and boil out wax as usual.
3. Place spacers first and then the Uni Anchor females over brass analogs. (J)

**Alternative with Plastic Females and Metal Housings:**
Insert the plastic female inserts into the metal housings with the insertion tool. Place spacer and assembled females over the brass male analogs.
4. Block out the remaining exposed root structure with latex material.

**Phase 9: CLINICAL**
1. Try-in finished overdenture. Adjust occlusion and fit as necessary.
2. Use the activating or deactivating tools to adjust retention of the Uni-Anchor as necessary. (K)
3. Record attachment name and order number in patient's file.