# Copy Denture Technique

The initial denture assessment (See page 150) has shown satisfactory retention, stability and support

Record the OVD, RVD and freeway space. Decide whether the OVD requires changing. If so, consider articulating the study casts using a facebow

### Stock tray method

Select a stock tray larger than the denture and apply the appropriate adhesive. Leave for 10 minutes

Load the stock tray with heavy-body putty and seat the denture occlusal surface into the loaded tray

Once set, cut wedge shaped location grooves in the external borders

Keeping the denture in place, insert heavy body putty into the fit surface and on the back of the second stock tray. Place the stock tray over the denture fit surface

Once set, separate the stock trays and remove the dentures. Disinfect the impressions and send to the laboratory

Assess the wax try in. There should be adequate stability, retention and support. Measure the OVD and check the FWS

Take a zinc oxide eugenol or light/medium silicone wash impression using the fit surface as a master tray. Mark post dam on the cast

Disinfect the wax rims and send to the laboratory. If changes were made, request a wax tooth trial. Otherwise, the rims can be processed for denture fit

## Indications for copy dentures:

- The patient has requested a spare denture set and is satisfied with the current denture's function and aesthetics.
- · Staining of current denture teeth (no other issues).
- · Worn teeth/overclosure (no other issues).
- Fractured baseplate or denture teeth in an otherwise functional denture.

#### Other methods:

- · Murray-Wolland flask
- Modified soap box technique
  Easy to access for all, by using 2
  stock trays as the copy box.

Place some putty in the palate of the denture to get a better impression.

This will allow the laboratory to bring the two trays together correctly.

## Information to send to the laboratory:

- 'Please pour up casts, construct a wax try-in consisting of an acrylic base with wax teeth'.
- Request an OVD increase if the casts have been articulated.
- · Shade and mould of teeth (confirm with patient).
- Aspects of the denture you wish to replicate and to modify.

Modify if needed (refer to jaw registration on page 158):

- OVD: add or remove wax from teeth as necessary
- Occlusion: balanced articulation
- Extension: reduce overextensions with a heated wax knife. Correct underextensions with a ZOE wash impression.
- · Gingival contours.
- · Tooth positioning/orientation.