Complete Dentures - Secondary Impressions

Re-confirm the consent, MH

Check the special tray on the working cast. Assess the extensions and fit

Assess the special tray inside the patient's mouth

Address any over or underextensions

Consider border moulding the tray flanges, retromolar pad and lingual pouch regions with greenstick (compound)

Apply the appropriate adhesive and leave for 10 minutes

Load the tray with the chosen impression material and take the secondary impression

Inspect the secondary impression

Repeat for the opposing arch

Fill in the lab card and send the disinfected impressions

Information to include:

- 'Please pour up the casts and construct an upper and lower wax occlusal rim for jaw registration'
- If a facebow is being taken, request two wax occlusal rims (one for jaw registration and the other for facebow recording).

Continue to the jaw registration stage

Retract the lips to check for any under and overextensions of the special tray flanges. The special tray must be relieved around the frenulum attachment areas and short of the sulcus by 2mm (to achieve a good rolled border). For lower dentures, overextension is likely if the special tray displaces with tongue movement.

Overextensions are reduced with an acrylic trimmer. Underextensions can be corrected by adding greenstick (compound).

Ensure adequate border moulding.
For lower dentures, a functional impression is taken, the patient displaces their tongue left, right and out of the mouth so that the floor of the mouth and full depth of the lingual sulcus is encaptured. This improves denture stability.

Retake if unsatisfactory.

Check for:

- · Full coverage of the denture bearing areas.
- · Full functional depth and width of the sulci captured.
- No encroachment of the impression material on the tongue space.
- Presence of rolled borders with no drags.
- · Absence of drags voids and tears.
- No shine through. If present, ease this area and retake the secondary impression.
 Leaving this will result in a high pressure point on that section of the final denture.

In general practice, the jaw registration and master impressions are often performed in the same appointment.