Partial Dentures - Secondary Impressions

Re-confirm the consent, MH and denture design

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

Take an opposing arch impression

Fill in the lab card and send the disinfected impressions

Acrylic

Information to include:

 'Please pour up the casts and construct an upper and/or lower wax occlusal rim for jaw registration'

Continue to the jaw registration stage

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

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 as well as confirming the connector choice by
 capturing the depth of the floor of the mouth accurately.

Retake if unsatisfactory.

Check for:

- Full coverage of the denture bearing areas.
- · No encroachment of the impression material on the tongue space.
- · Presence of rolled borders with no drags.
- · Absence of drags voids and tears.
- Mechanical retention of the impression material through the tray perforations.

CoCr

Information to include:

- 'Please pour up the casts and construct a metal framework according to the design provided for try-in.'
- If ICP cannot be achieved or the casts cannot be hand articulated, request an occlusal wax rim over the metal try-in.

Continue to the metal framework stage