Partial Dentures - Primary Impressions

Re-confirm the consent and MH

Choose the correct stock tray size for the primary impression

Consider border moulding the tray flanges with greenstick (compound) in edentulous regions

Apply the appropriate adhesive and leave for 10 minutes

Insert the tray handle

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

Inspect the primary impression

Take an opposing arch impression

Fill in the lab card and send the disinfected impressions

Fill in the lab card and send the disinfected impressions

Acrylic

Information to include:

- · 'Please pour up the casts and construct a special tray.'
- Construct the special tray according to the included denture design and intended master impression material of choice.
 Factors include: perforation, spacer and intra/extra-oral handle.
- Shade can be taken in the lab or by the clinician.
- Request an occlusal wax rim if ICP cannot be achieved or the casts cannot be hand articulated.
- · Clinical photographs will improve communication with the laboratory

For acrylic dentures, go to the master impression stage For CoCr, continue to the CoCr denture design page The denture material should be decided based on the clinical findings and patient's

A two-stage impression technique can be used for Kennedy class I and II. An initial impression of just the free end saddle region is taken with a putty PVS or compound. Then, an alginate or light body PVS wash impression is taken of the entire arch over this. Ensure adequate border moulding.

For lower dentures, it is paramount that 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 influencing the connector choice by capturing the depth of floor of the mouth.

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 special tray. Please return the surveyed and articulated casts with the special trays'
- If ICP cannot be achieved or the casts cannot be hand articulated, request an occlusal wax rim. The master impression should not be taken until the denture design is confirmed. The confirmed denture design relies on accurately articulated study casts.
- Construct the special tray according to the included denture design and intended master impression material of choice.
 Factors include: perforation, spacer and intra/extra-oral handle
- Shade can be taken in the lab or by the clinician.
- · Request a preliminary wax record block
- Clinical photographs will improve communication with the laboratory