Special Impression Techniques
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• Displaced (Flabby) maxillary ridge
• Unemployed mandibular ridge
• Flat (Atrophic) Mandibular Ridge covered with Atrophic Mucosa
• Denture space impression/ Neutrozone Impression Technique
Impression of Flabby (Displaced) Maxillary Ridge in all Areas

Clinical appearance

Fabrication of Custom Tray

Custom Tray with adhesive Tape

Completed POP Impression
Impression of Flabby Ridge in Anterior Portion with ZOE & POP

Clinical appearance

Fenestration of Custom Tray

Functional Border Molding

Custom Tray with FBM
Making Impression ZEO

Application of POP

ZEO Impression

Completed Impression
Impression of Flabby Maxillary Ridge in Anterior Portion with PVS

Medium-Bodied PVS

Light-Bodied PVS
Fibrous (Unemployed) Posterior Mandibular Ridge

Fibrous posterior mandibular ridge. This ridge as such is not useful for support.

Crestal area cleared of tracing compound, tray perforated on crestal area.

Preliminary stage using tracing compound.

Definitive impression using light-bodied polyvinyl siloxane.
Flat (Atrophic) Mandibular Ridge covered with Atrophic Mucosa (Admix Impression Technique)

Atrophic mandibular ridge

Definitive Impression with admix of 3 parts by weight of (red) impression compound to 7 parts by weight of greenstick
Denture Space (Neutral zone) Impression

- Resorbed mandibular ridge
- Occluso vertical dimension of patient mounted on articulator
- Stainless steel wire placed in spiral fashion with the help of self cure acrylic pillars
- Different postures of patient during the moulding of neutral zone
Different postures of patient during the moulding of neutral zone

Plaster matrices made around the recorded zone.

Recorded neutral zone with tissue conditioner

Replacement of tissue conditioner with modeling wax
Finally fabricated denture in harmony with neutral zone

Teeth positioned relative to neutral zone template
Denture Space (Neutral zone) Impression

An example of the neutral zone from the (a) lateral and (b) posterior view

Base plate with self-cure acrylic pillars and with a vertical fin

wax try-in with the plaster index (a) buccally and (b) Lingually

Plaster index around the neutral zone impression