

The Four Appointment Denture Technique



Appointment #1

- Complete Denture Examination
- Duplicate Existing Dentures



Appointment #1

- Review medical history
- Review patient's desires / expectations
- Clinical / radiographic examination
- Evaluation of existing dentures
- Duplicate existing dentures
- Casts of existing dentures

Evaluation of Existing Dentures

- Esthetics
- Peripheral (flange) extensions
- Vertical dimension
- Centric relation



Evaluation of Esthetics

- Anterior tooth position
- Tooth shade
- Tooth mould (shape and size)
- Patient opinions / desires



Evaluation of Maxillomandibular Relations

- Vertical dimension of occlusion
- Centric relation



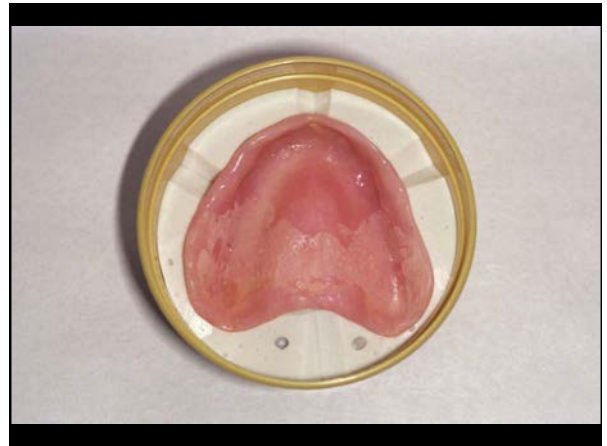
Appointment #1

- Complete Denture Examination
- Duplicate Existing Dentures



Duplicate Existing Dentures

- Lang Denture Duplicator or Denture cup
- Alginate
- Tray resin or Orthodontic resin







Casts of Existing Dentures

- Impression tray
- Alginate
- Plaster or stone





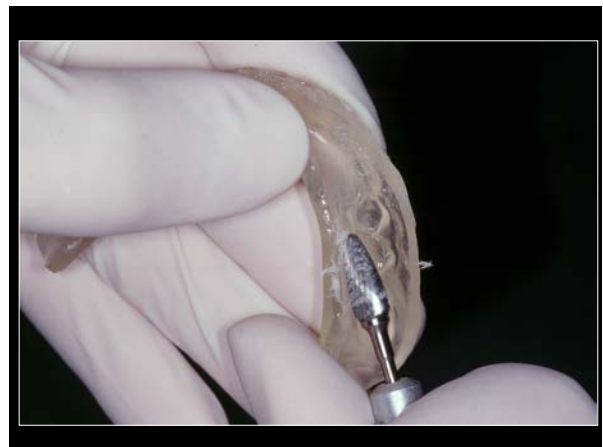
Appointment #2

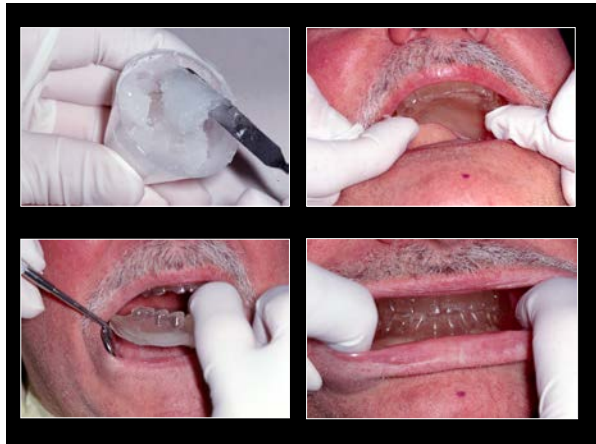
- Master Impressions
- Maxillomandibular Relations
- Mark Posterior Palatal Seal
- Tooth Shade Selection



Master Impressions

- Evaluate / adjust peripheral extensions
- Relieve all intaglio (tissue surface) undercuts and create space for impression material
- Impression material choices:
 - Tissue conditioner
 - Elastomeric materials






Verify Closure into Centric Relation

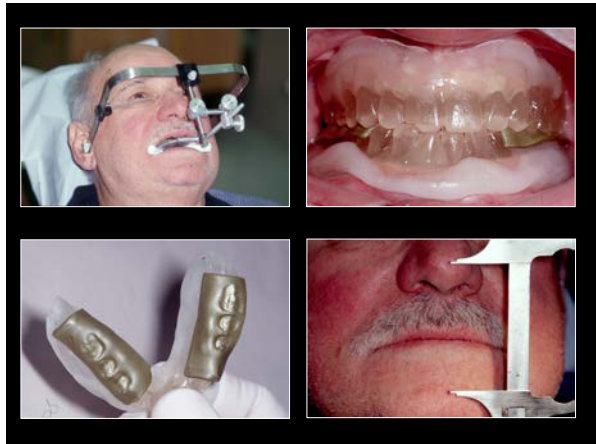
Appointment #2

- Master Impressions
- Maxillomandibular Relations
- Mark Posterior Palatal Seal
- Tooth Shade Selection



Maxillomandibular Relations

- Facebow transfer
- Vertical dimension of occlusion
- Centric relation





Centric Relation Record

- Aluwax
- Elastomeric materials




Appointment #2

- Master Impressions
- Maxillomandibular Relations
- Mark Posterior Palatal Seal
- Tooth Shade Selection

•Appointment #2

- Master Impressions
- Maxillomandibular Relations
- Mark Posterior Palatal Seal
- Tooth Shade Selection



Detailed Laboratory Prescription

- Existing dentures (trays) used for reference
- Provide casts of existing dentures
- Detailed written instructions

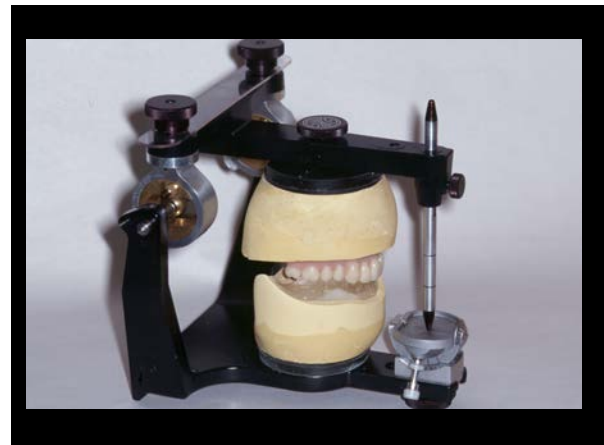
Laboratory Procedures

- Box and pour impressions
- **DO NOT REMOVE DENTURES FROM CASTS!!!**
- Mount casts on articulator
- Set-up new dentures



Arrangement of Denture Teeth

- Use one arch as a reference
- Modify vertical dimension of occlusion as desired
- Change tooth position (Length) in one or both arches as desired
- Wax contour



Appointment #3

- Ant./Post. Try-in
- Verify C.R. & V.D.O.
- Protrusive Record
- Denture Base Shade





Trial Dentures

- Verify esthetics / phonetics and secure patient approval
- Opinion of others
- Home trial ???

Appointment #3

- Ant./Post. Try-in
- Verify C.R. & V.D.O.
- Protrusive Record
- Denture Base Shade



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- Ant./Post. Try-in
- Verify C.R. & V.D.O.
- Protrusive Record
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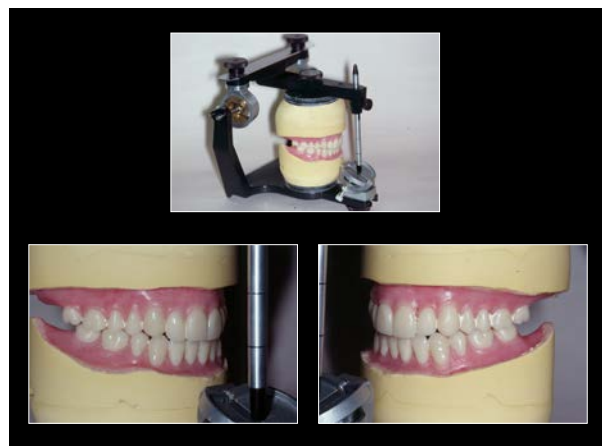
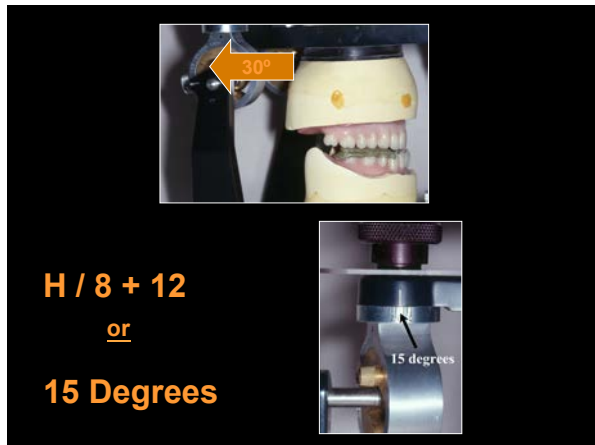
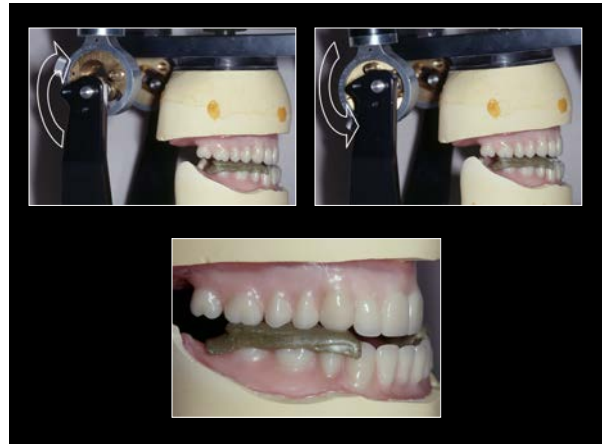
Appointment #3

- Ant./Post. Try-in
- Verify C.R. & V.D.O.
- Protrusive Record
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Laboratory Procedures

- Scribe posterior palatal seal
- Finalize wax contour
- Refine occlusion / articulation
- Process dentures





Appointment #4

- Delivery & Adjustment



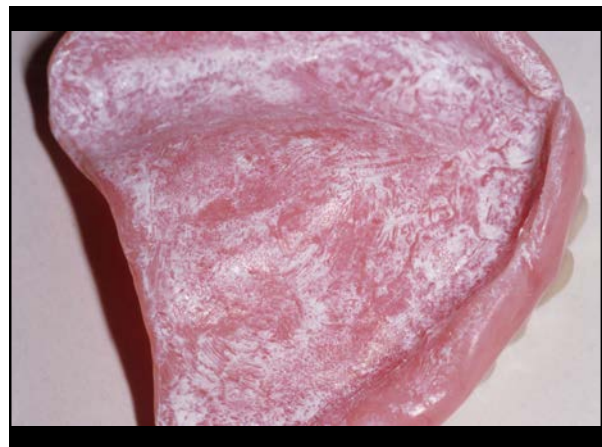
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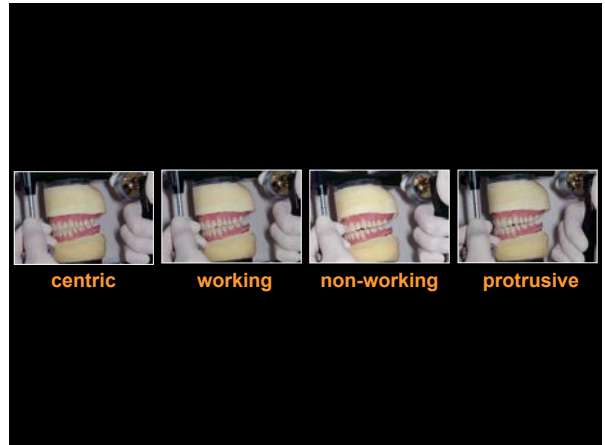
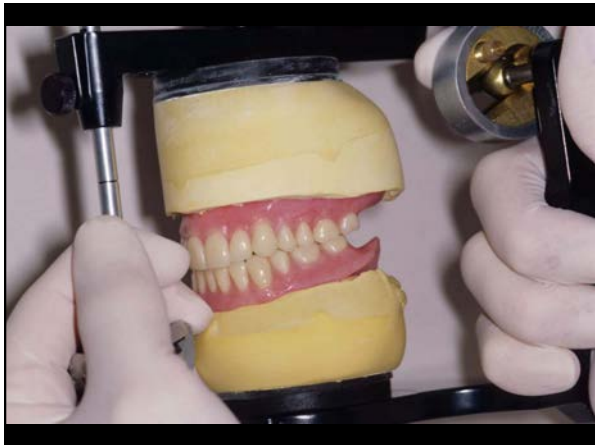
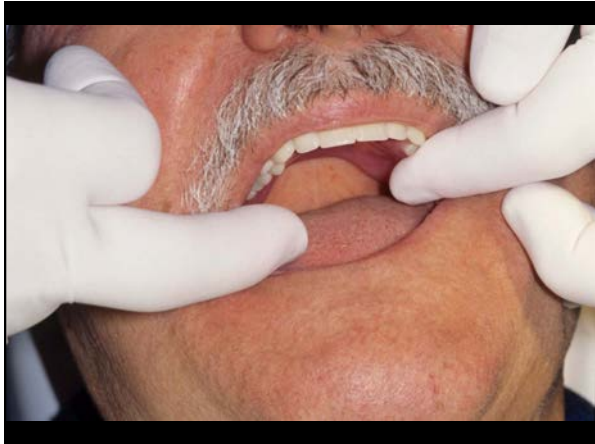
- Evaluate and adjust tissue surfaces
- Clinical remount / occlusal adjustment
- Patient use & home care instructions

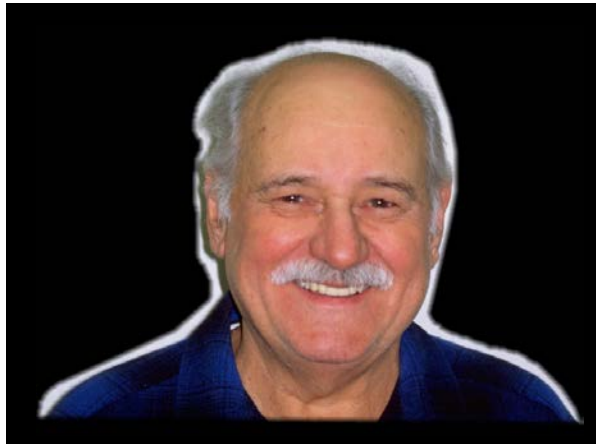


Adjust Tissue Surfaces of Dentures

- Pressure indicating paste
- Functional loading







Technique Advantages

- Reduced number of appointments
- Functionally generated impressions
- Facilitates maxillomandibular records
- Facilitates setting teeth
- Reduced laboratory fees?

Technique Disadvantages

- Requires existing dentures
- Limited changes permitted

Technique Disadvantages

- Limited changes permitted
- Impressions in occlusion

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