Complete Denture Clinic
Complete Removable Dental Prosthesis Procedures

Diagnostic Appointment
Comprehensive Exam
  Extra oral
  Intra oral
  Check patient vitals and update medical history

Discuss current dentures
  Main complaint
  Esthetic concerns
  Prosthetic history
  Other concerns
  Address patient expectations

Evaluate current dentures for need to place a liner
  Flabby or hypertrophic tissue
  Signs of edema or swelling
  Improve fit for patient while fabricating new denture

Complete and sign Treatment Plan

Alginate primary impressions
  Select trays (Accu-dent System 1)
    Correct fit has 5mm to ¼” space all around
    Use Accu-dent alginate

Place liner in dentures if necessary
  Use Lynol or Coe soft as per instructor
  Clean internal surface denture
  Apply material
    Wait four minutes with patient lightly biting
    Engage patient in conversation for additional four minutes
    Remove dentures and trim
    Give patient instructions

Before next clinic period
Pour casts
  Alginate is not boxed
  Mix the plaster to a pouring consistency for the actual impression
  then invert the poured impression into a patty of stiffer plaster

Trim casts
Outline the extension of tray
  Relief and block out if necessary
  Have checked by instructor

Make and trim tray
  Have checked by instructor
Impression Appointments

Check patient vitals and update medical history
Try in custom trays
  Should not impinge
  Borders short of vestibule 1-2mm

Secondary impressions
  Border mold using a heavier body material
    PVS
    Use correct tray adhesive for material

  Wash using a lighter body material
    PVS
    Use correct tray adhesive for material

  The wash material is applied over the complete tray including the borders

Remember Maxillary secondary impression requires relief in rugae area and a vent

Before next clinic period

Beading and Boxing
  Easiest if apply adhesive followed by sticky wax to area where you are going to place beading wax. This allows the beading wax to adhere better

  Remember the lower must be a complete cast no horseshoe casts

Boxing must be approved by faculty

Pour casts
  These must be poured boxed and not inverted
  Remember the lower must be a complete cast no horseshoe casts

Trim casts
  The land area should be an even 3-4mm throughout

Record bases
  Maxillary
    gutta percha base

  Mandibular
    UDEMA
    Ivolin PMMA
  Do not place wax rims at this time

Bases should be approved by faculty
Mounting Records Appointment

Check patient vitals and update medical history
Try in record bases
   Should seat comfortably

Post dam
   Determine position
   Carve in cast and adapt record base

Maxillary wax rim
   Fan fold baseplate wax
      While still soft, place in mouth and adjust for fullness
      Mark lip length, midline, remove, and trim
      Check
         Parallel to interpupillary line
         Campers plane

Mandibular rim
   Fan fold baseplate wax
      If UDEMA, grind surface/add sticky wax to help adhere
      - While soft, place in mouth and adjust under maxillary rim
      - Mark edge lip at repose, remove, and trim posterior height to ½ up the retromolar pad
   Place both in the mouth and evaluate, trim rims to occlude

Vertical Dimension position
   Resting position and profile
   Use “m” sound
   Compare with existing denture

Record Horizontal position
   Use non-pressurizing recording material
   Verify

Facebow record
   Place face bow fork (rivet head up) in the wax rims of the maxillary cast
   If the rim is too short and placing the fork in the rim would adversely affect the jaw record portion of the rim use alternate method of relating the fork to the rim
   Make the face bow record

Select the shade and teeth with the patient present
(remember the patient should not be shown the mold guide)

Before next clinic period
Mount maxillary cast using face bow

Mount Mandibular cast using jaw record
Have checked by instructor

Krmc-Trmc
Tooth Arrangement Appointment

Mark Midline
Remove rim one side
    Set 3 anterior teeth following guidelines of rim

Check in mouth
    Repeat on the other side

Check in mouth
    Remove lower rim
    Set 2 lower teeth to correct vertical and horizontal overlaps

Place in mouth and evaluate position
    Visually
    Phoentic
        Fricative – length and position of maxillary
        Sibilant – VD and position of mandibular anteriors

Remaining time set remaining mandibular anterior teeth
If posterior teeth were not selected earlier select at this time

Before next clinic period

Set remaining teeth – mandibular first

Basic wax-up
Have checked by instructor
Try In Appointment

Check patient vitals and update medical history

**Evaluate occlusion on articulator**
- Note midline position
- Horizontal position of anterior teeth
- Occlusal contacts posterior
- Buccal cusp rise
- Centric and balancing contacts

**Place trial dentures**
- Allow time for accommodation
- Evaluate interocclusal record
- Evaluate vertical dimension
- Evaluate esthetics and tooth position

**Patient acceptance**
- Family member look if present
- Patient signs denture acceptance form

**Before next clinic period**

*Make corrections and finish wax up*

*Faculty signs laboratory Work Authorization to send to lab*

*Final wax up will be completed and submitted to the Laboratory within two weeks from the Try in*

*Trim and polish*

*Faculty must check before and after trimming*
Insertion Appointment

Check patient vitals and update medical history

Evaluate internal surface with pressure indicating paste
  Mandibular
    After adjusting tissue surface evaluate borders
  Maxillary
    After adjusting tissue surface evaluate borders

Place dentures in together
  Check for base interference
  Evaluate occlusion
    Visually
    Indicating medium

Repolish adjusted areas (external only)

Patient instructions
  Homecare kit
Reappoint for post insertion check
  One week

Faculty Availability

Dr McLean
Denture Clinic
  Wednesday
Office 225F
  Friday 4:30 by appointment
  trmc@buffalo.edu

Dr McHenry 225 G
Denture Clinic
  Wednesday
Senior Clinic
  Monday AM
  Tuesday all day
  Thursday AM
Office 225G