Complete Denture Procedures for a Team Approach in the Home

For Competency #9

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Complete Denture Procedures for Team Approach in the Home

Two students will be assigned to one complete denture patient for the initial assignment. This arrangement will hopefully offer each student an opportunity to work closely with his/her partner and to be of assistance to one another during the numerous procedures necessary to construct dentures.

Student A will be responsible for all communication with the patient.

The faculty is insistent that this situation be handled in a very professional manner. The student should not make the patient feel that all procedures will necessarily have to be duplicated because of the dual assignment. All discussions should be held away from the chair. BOTH students are to be present at all appointments during the treatment phase. The procedures outlined have been organized so that each student will derive equal benefit and experience from this exercise and therefore, will earn full credit.

Although denture A is the only appliance to actually be placed into the mouth during this exercise, it is extremely important that BOTH students A and B take full responsibility for every clinical step along the way. Share the chairside workload. Every effort should also be made to do the laboratory work together. BOTH students should sign the treatment record for each step.

Student B will return the B denture teeth to Leila or Fran, along with BOTH removable flow sheets for grading and documentation. Your flow sheets will be returned.

PLEASE USE THE GREEN FLOW SHEETS ONLY FOR A TEAM DENTURE!

SUMMATIVES CANNOT BE TAKEN ON A HOME CARE PATIENT.

The following pages include a detailed list of procedures that the students are expected to follow:

ALL HOME VISIT APPOINTMENTS AS WELL AS LABORATORY STEPS MUST BE ACCOMPLISHED SIMULTANEOUSLY.
Appointment #1 – Home Visit – Consultation and Preliminary Impressions

1. Student A & B - Examination, diagnosis and treatment planning. Complete record.
2. Student A - Preliminary maxillary alginate impression.
3. Student B – Preliminary mandibular alginate impression.

Lab – Student A & B

1. Bead, box and pour (in plaster) their own alginate impression.
2. Construct custom final impression tray (with handle).

Appointment # 2 – Home Visit – Final Impressions

1. Student A – Try in and adjust mandibular custom tray.
   Border mold, final impress with light bodied rubber base.
2. Student B - Try in and adjust maxillary custom tray.
   Border mold, final impress with light bodied rubber base.

Lab – Student A & B

1. Bead, box (CHECK WITH TECHNICIAN) and pour (in stone) their own final impression.
2. Soak final casts in water for 10 minutes in order to duplicate final casts with Alginate. Pour in stone. Separate Within ½-1 hour.
3. Construct record bases and occlusion rims for each set of casts (A & B). Each student will construct a maxillary and mandibular record base and occlusion rim.

NOTE: Duplication of casts must occur before baseplate fabrication is done in order not to capture any blockout placed in preparation of baseplates. Student A will have original master casts (A), which will be used for the final dentures. * Student B will keep the duplicate casts (B), which will also be used for all subsequent complete denture procedures including final processing of the completed dentures, but will NOT be inserted into the patient’s mouth. Clearly mark each model with the proper designation (A or B).
Appointment #3 – Home Visit – Inter-maxillary Records Visit

Student A & B

1. Post Dam- Locate Anterior Vibrating Line (AVL) and compressible tissue depths, transfer to original maxillary cast A. Cut back maxillary record base to AVL line and score post dam. Transfer this information onto the maxillary cast and record base B.
2. Establish Vertical Dimension of Occlusion (VDO).
3. Do Centric Relation registration.
4. Tooth selection: Tooth shade and mould and denture base shade. Record this information in the patient’s chart.
5. Do facebow registration.

Lab – Student A & B

1. Mount upper cast on articulator A. Pin = 0 on movable table.
2. Carefully remove facebow with occlusion rim A attached and attach facebow assembly on articulator B.
3. Insert duplicate maxillary cast B into record base A and complete facebow mounting on articulator B. These must be stable; see a Remo tech if not. Tooth RX and order. Set A will utilize the actual teeth selected; set B will use a similar (technique) tooth.
   
   **NOTE:** Rx must include denture base shade. In addition, ALL information must be recorded in patient’s chart and signed/authorized.

4. Mount lower cast A on articulator A utilizing occlusion rims.
5. Carefully remove attached occlusion rims from mounted casts on articulator A, transfer to duplicate casts B on articulator B and mount lower cast B.
   
   **NOTE:** Both sets of casts are now mounted from one facebow registration and centric relation. If the transfers are done carefully, the end result will be adequate for proceeding with the subsequent steps.

6. Record pin setting for each articulator on their respective casts (to maintain VDO).
7. Place mandibular occlusion rim A on articulator B and flush maxillary occlusion rim B until pin touches incisal table.
8. Place mandibular occlusion rim B on cast B and flush with maxillary occlusion rim- B.
   
   **NOTE:** Occlusion rims on articulator B are now at the same level and position as the occlusion rims on articulator A. This will allow for similar tooth set-ups.

9. Set up teeth on articulators A & B respectively using appropriate guidelines.

**NOTE:** A & B SET UPS MUST BE ACCOMPLISHED SIMULTANEOUSLY.
Appointment # 4 – Home Visit – Trial Denture (Tooth try-in)

1. Try in trial denture (tooth set-up).
2. Verify esthetics, phonetics, VDO and CR.
3. Modify both sets as necessary.
4. Patient acceptance of set up (written in record and signed by patient).

Lab – Student A & B

1. Obtain final occlusion check on BOTH set ups, complete wax-up then check occlusion once again.
   - Student B will remove the technique teeth and place them back on the card. Return to Leila or Fran and continue to work with student A on denture A.
2. Create plaster facebow preservation (NO Vaseline on teeth)
3. Write up laboratory Rx for processing; either in house or at an outside lab.
4. Denture A will be flaked, packed, processed, de-flasked, lab remounted, de-cast and returned to you for finishing and polishing.
5. Finish and polish denture A.
6. Block out undercuts in dentures and pour new full (– not horseshoe shaped) plaster casts in both sets of dentures (patient remount casts).
7. Remount maxillary denture using facebow preservation.

Appointment # 5 – Home Visit – Insertion / Patient Remount

1. Insert maxillary and mandibular dentures (each student does 1 arch). Utilizing Sorenson’s and PIP pastes, correct borders, frenal clearance, check for heel interference.
2. Make new Centric Registration. Mount mandibular denture on its remount cast. Verify CR.
3. Equilibrate dentures as needed. Save casts for possible follow up adjustments.
4. Final polish of dentures as needed.
5. Deliver denture set A. Review home care instructions. Re-appoint patient within 48 hours for follow-up and adjustment if needed.

NOTE: All steps should be done concurrently and documented on BOTH flow sheets. Credit will not be given for a step or visit not attended.
1. Determine patient's chief complaint.
2. Utilizing indelible pencil (Dr. Thompson’s Color Transfer Applicator), Sorenson’s and PIP pastes, adjust dentures to relieve trauma or irritation.
3. Check occlusion. Take a new centric and remount for equilibration if necessary.

   NOTE: The number of follow-up visits may vary for each patient. You must continue to reappoint for follow-up until such time that the patients have no visible signs of trauma and the occlusion is stable.

*4. Complete patient record and flow sheet. Be sure to have the business office note the record of payment on BOTH flow sheets regardless of method of payment (i.e., self-pay, Mass Health or n/c).
5. Determine status of patient. Place patient on annual recall.

*6. Obtain a Case Complete signature on flow sheet

*NOTE: YOU MAY NOT SIGN-OUT WITH STEPS #4 AND # 6 (above) INCOMPLETE.
5. NO EXCEPTIONS!