

Complete Denture Procedures for Team Approach

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.

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 present the B dentures to Carol Green in room 601, along with BOTH removable flow sheets for grading and documentation by faculty. Your flow sheets will be returned.

If student B wishes to do their summatives on this patient, they may do so, however when reaching the inter-maxillary records visit, they must be working on their *own* set of record bases and occlusion rims. They should be stable enough even if they were made on the duplicate model.

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

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

Appointment #1 - Clinic — Consultation and Preliminary Impressions

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

Lab — Student A & B

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

Appointment # 2 - Clinic — 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 and pour (in stone) their own final impression.
2. Duplicate final casts with Alginate. Pour in stone.
3. Construct record bases and occlusion rims for each set of casts (A & B).

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).

I Appointment # 3 - Clinic — Inter-maxillary Records Visit

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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 facebow registration and mounting on articulator A.
4. Carefully remove facebow with occlusion rim A and attach to articulator B.
5. Insert duplicate maxillary cast B into record base A and complete facebow mounting on articulator B.
6. Do Centric Relation registration.
7. Tooth selection.

Lab — Student A & B

1. Tooth RX and order. Set A will have 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.

2. Mount lower cast A on articulator A.
3. 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.

4. Record pin setting for each articulator on their respective casts (to maintain VDO).
5. Place mandibular occlusion rim A on articulator B and flush maxillary occlusion rim B until pin touches incisal table.
6. 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.

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

| Appointment # 4 - Clinic — Trial Denture (Tooth try-in)

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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. Complete wax-up and obtain final occlusion check.
2. Create plaster facebow preservation.
3. Write up laboratory Rx for processing; either in house or at an outside lab.
4. Dentures will be flaked, packed, processed, de-flaked, lab remounted, de-cast and returned to you for finishing and polishing.
5. Finish and polish dentures.
6. Pour new plaster casts in both sets of dentures (patient remount casts).
7. Remount maxillary denture using facebow preservation.

Appointment # 5 — Clinic — Insertion / Patient Remount

1. Insert maxillary and mandibular dentures (each student 1 arch — A set only). Utilizing Sorenson's and PIP pastes, correct borders, frenum 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.
4. Final polish 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: At this time, student **B** must turn in their processed B set along with BOTH removable flow sheets (to Carol Green room 601) for final evaluation and documentation by the Removable faculty.*

Appointment # 6 — Clinic — Adjustment(s)

1. Determine patient's chief complaint.
2. Utilizing indelible pencil, 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. Mass Health, private pay or second set).
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 #4 AND # 6 INCOMPLETE.
NO EXCEPTIONS!***

PROCEDURES

Complete Denture Procedures

1. Exam & Consultation - "A"
2. Preliminary Impression - "C:1"
3. Final Impression - "C:3"
4. Wax Rim Try-In : "B"
5. Intermaxillary Record - "D"
6. Tooth Selection - "E"
7. Tooth Try-In: "D"
8. Insertion - "D & H"
9. Adjustment - "B & H"

Immediate Denture Procedures

1. Exam and Consultation - "A"
2. Preliminary Impression - "C:2"
3. Final Impression - "C:3"
4. Wax Rim Try-In (if indicated) - "B"
5. Intermaxillary Record - "D"
6. Tooth Selection - "E"
7. Tooth Try-In (if indicated) - "D"
8. Insertion - "B, F, & H"
9. Adjustment - "D, F, & H"

Partial Denture Procedures

1. Exam and Consultation - "A"
2. Preliminary Impression - "C:2"
3. Final Impression - "C:3"
4. Framework Try-In: "B & G"
5. Altered Cast Impression (if indicated) - "C"
6. Wax Rim Try-In (if indicated) - "B"
7. Intermaxillary Record - "D"
8. Tooth Try-In (if indicated) - "D"
9. Insertion - "D, C:2, G, & H"
10. Adjustment - "B, G & H"

Reline & Repair Procedure

1. Exam & Consultation - "A"
2. Impression - "C:2 & C:3"
3. Tooth Selection - "E"
4. Tooth Try-In (if indicated) - "D"
5. Insertion - "B & H"
6. Adjustment - "B & H"

Provisional Denture Procedure

1. Exam & Consultation - "A"
2. Preliminary Impression - "C:2"
3. Final Impression - "C:3"
4. Tooth Selection - "E"
5. Tooth Try-In (if indicated) - "D"
6. Insertion - "B, G, & H"
7. Adjustment - "B, G, & H"

ARMAMENTARIUM

A. Basic Set-Up(Present at all Times)

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|--------------------------------|--------------------------|
| 1. Patient Record | 7. Tongue Blades |
| 2. Removable Department Folder | 8. Cotton 2x2 Gauze |
| 3. Napkin on Patient | 9. Gloves |
| 4. Sterile Mirror | 10. Masks |
| 5. Sterile Explorer | 11. Indelible Pencil |
| 6. Sterile T-Ball Burnisher | 12. Napkin on Tray Table |

B. Extended Set-Up

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| 1. Basic Set-Up
w/Alcohol | 5. HANAU Torch Filled |
| 2. Buffalo Knife | 6. Bunsen Burner |
| 3. Red Handle Bard-Parker Knife | 7. Handpieces and Sterile
Burs |
| 4. Wax Spatulas | |

C:1 Preliminary Impression Set-up (Complete Denture)

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| 1. Basic Set-Up | 5. Shears |
| 2. Extended Set-Up | 6. Pliers |
| 3. Water Bath | 7. Red Cake Compound |
| 4. Sterile Edentulous Trays | 8. Green Stick Compound |

C:2 Preliminary Impression Set-Up (Immediate/Partial Denture)

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| 1. Basic Set-Up | 5. Plaster Bowl |
| 2. Extended Set-Up | 6. Spatula |
| 3. Green Stock Trays | 7. Blue Physiologic Wax |
| 4. Alginate and Water Measure | |

C:3 Final Impression Set-Up (all Dentures)

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| 1. Basic Set-Up | 5. Rubber Base Adhesive |
| 2. Extended Set-Up | 6. Disposable Brushes |
| 3. Water Bath | 7. Green Stick Compound |
| 4. Light Bodied Rubber Base | |

D. Bite Registration / Patient Remount Set-Up

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| 1. Basic Set-Up | 3. Aluwax |
| 2. Extended Set-Up
(If Facebow is indicated) | 4. Plastogum/Quick Set Plaster |

E. Tooth & Denture Base Selection Set-Up

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| 1. Basic Set-Up | 4. Tooth Selection Chart |
| 2. Trubyte Bioform & Bioblend Shade Guide | 5. Denture Base Shade |
| 3. Trubyte Mold Guide | 6. Clear Plastic Ruler |

F. Tissue Treatment Kit

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| 1. Tissue Conditioner
Material | Q/ | 2. Soft Denture Reline |
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G. Partial Denture Accessory

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| 1. Ortho Pliers | 2. Ortho Wire Cutter |
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H. Indicating Pastes

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| 1. Pressure Indicating Paste (PIP.) | 2. Sorenson's Paste |
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