

# Armamentarium for Various Prosthodontic Procedures 6-1-2016

prepared by Dr. Ann Windchy

## **Examination** (Preclinical and Clinical CD)

Mouth Mirror or exam kit

Explorer

Perio Probe

Patient Evaluation and Mouth Exam Form (Yellow) Form

Prosthodontic Diagnostic Index for the Completely Edentulous (yellow) Form reverse side

## **Primary Impressions** (Preclinical and Clinical CD)

Bowl,

spatula,

reg. set alginate,

try-in tray set,

edentulous impression trays of all sizes (for variety of patient arches)

White or preferably dead soft blue Rope wax,

Prosthetic Tray set- up

    Mirror

    Explorer

    Perio Probe

    Buffalo knife

    #11 Spatula (Large spade end and pointed on opposite)

    #7 Wax Spatula

    Red Handle for Bard Parker Blade

35 cc syringe, Available for syringe technique

Measuring device for water

Measuring scoop for alginate,

2x2 gauze to clean face piece of simulation manikin or patient & to dry patient after rinse)

Saliva Ejector (for live patient care to remove excess material from mouth)

Patient Napkin (for live patient care)

Paper Towel (for live patient)

Sm. amount of Mouthwash (live patient to cut thick saliva)

## **Pour Primary Impressions** ( done in lab only) (Preclinical and Clinical CD)

Bowl & Spatula

2 packages of Quickstone + 2 to add base if necessary

Measurer cup

5 x 5 squares on which to place poured impression for transport to locker

Buffalo Knife to trim stone

Alginate to prepare tongue space

Bur to prepare indices

## **Custom Tray Construction** (Preclinical and Clinical CD)

Mask for patient & safety glasses  
Bard Parker red handled knife and blade  
Triad units in room 146, 111, and 137  
Surveyor to determine undercuts for blackout  
Baseplate Wax for relief & Blockout (2 sheets per student)  
Triad material (2-3 pieces per student)  
Vaseline or Supersep in lab  
Tin foil  
Wax Spatulas #11 and ##7  
Slow speed Handpiece with straight cone attachment  
Acrylic resin burs & lathe accessories (rag wheels, cutting wheels, large acrylic burs for lathe and felt points for palate & sublingual crescent etc.) (# 10 Round long shank for holes)  
Medium grade pumice ( need only if roughened damaged surface)  
Acryluster (only if absolutely necessary)  
Roller board with roller  
Wax coated paper cup for mixing acrylic monomer & powder (if acrylic resin tray)  
Tongue blade for mixing or Large spatula from in instrument kit  
Arbor Band and attachments on lathe (prefer lg acrylic burs or cutting wheels)  
Acrylic Resin liquid and Powder (if using acrylic instead of Triad) for lower.  
Easy Tray (if using thermoplastic material for lower tray for CD).  
Hanau Torch with Alcohol  
Bunsen Burner

## **Master Impressions** (Preclinical and Clinical CD)

Custom trays that you made  
Slow speed handpiece with straight cone  
Lathes in Lab with Very Large Acrylic Bur or stone wheels to Trim trays.  
Wax Pencil to mark trimming lines on tray  
Bunsen Burner  
Hanau Torch & Alcohol  
Matches/fire starter/flint  
Green or Grey Stick Compound start with 2 sticks per arch  
Water Baths with thermometer to control temp. 135  
Bard parker blade for red handle.  
Prosthodontic set up tray  
Tray Adhesive to match Impression Material (polyether or pvs)  
Impression Material  
Saliva ejector for patient to evacuate debris and saliva  
Large oriface saliva ejector  
Patient napkin  
Vaseline on 2 x 2 gauze to clean patient's face, & lubricate corners of mouth or topical anes  
Salt packets available at dispensary for Gag reflex  
Cetacaine spray avail at dispensary for strong Gag reflex if salt does not work  
Cup with small amount of mouthwash to rinse mouth & cut thick saliva (prior to impression)

2x2 or 4x4 gauze to dry mouth prior to impression  
Paper towel for patient to wipe off hands and /or face  
Prosthetic Tray set-up

### **Box and Pour Master Impression** (Preclinical and Clinical CD)

Sticky Wax 1 stick  
Rope Wax 2 ropes (pos. 3 )  
#7 or #11 spatula  
Boxing Wax ( Prefer the thin red) (2 per arch = 4)can use soft baseplate wax also  
Magnetic strips available at dispensary for boxing impressions also  
Yellow quick stone 2 pkgs per arch = 4 pkg.  
Pumice 1 pkg to mix with lab plaster 1 pkg  
Millimeter ruler  
Rubber band  
Mixing bowl  
Measurers for liquid  
Spatula to mix alginate  
Spatula (cement or lg spatula from kit) to apply small increments of stone at start of pour)  
Buffalo knife  
Burs to make indices in casts after trim and set  
Model trimmer  
5 x 5 plastic plates on which to place impression for transport to lockers.  
Model trimmer

### **Construct Record Bases** (Preclinical and Clinical CD)

Slow speed handpiece with straight cone  
Acrylic Resin Burs (deep cut, thermoplastic and other for thermoplastic , autocure or Triad)  
#31 and #7 Spatula  
1 Sheet of Triad for maxilla  
1 Sheet of Triad for mandibular (if lower is to be made of triad)  
1 piece of EasyTray for Mandibular (if lower is Thermoplastic material)  
1 piece Sticky Wax  
Baseplate Wax 2 sheet per arch Sheet (1 1/2 to build rim 1/2 for blockout of undercuts)  
Bunsen Burner  
Lighter, matches or flint  
Hanau Torch & Alcohol ( to adjust wax)  
Millimeter ruler or perio probe  
Bard Parker Lab handle with #20 blade  
Hot Plate (to adjust rim height)  
Acrylic Resin & monomer (if tray is to be made of acrylic resin)  
Plastic coated paper cup (to mix acrylic resin and liquid if autocure material used)  
1 tongue blade or lg. cement spatula for mixing if autocure acrylic resin is to be used  
Plastic cup of cool water or Mixing bowl of cool water (thermoplastic material used)  
Surveyor (to mark height of contour and block out undercuts )  
Vaseline (in sm pleated papercup) to lubricate cast

Scissors (to cut EasyTray material)  
Waterbath (if Thermoplastic material is to be used) Thermometer (if desired)  
Mask (to protect lungs when grinding Triad or Acrylic resin)  
Buffalo knife ( to remove rims from cast)

### **Making Jaw Registration Records** (Preclinical and Clinical CD)

#### Prosthetic Tray Set Up

Waxing Instruments #11 & #7 Spatulas  
Dr. Thompsons Color transfer sticks (2 ea)  
Slow speed handpiece w straight cone  
Acrylic resin burs  
Buffalo knife  
Cleoid Discoid  
Tongue Blade  
Pen to mark VDO on tongue blade and on nose  
Alcohol torch  
Bunsen Burner  
Matches or flint  
Alcohol on gauze at end of procedure to remove dots on nose/chin  
Green Stick or Grey Stick Compound 2 sticks. You can Substitute Aluwax  
Hot Plate to adjust rims  
Fox Plane to measure parallelism of pupils and ala tragus  
Papillometer (Ivoclar) (optional) measures distance from incisive papilla to rim. (Dispensary)  
Facebow Apparatus & components including bite fork  
Water Bath w thermometer (135°) for grey stick  
Paper toweling in bottom & on sides of water bath.  
Red Compound wafer for bitefork, may substitute Aluwax  
Vaseline or lubricant for articulator  
Vaseline for records to prevent compound from sticking to wax  
Articulator

### **Select Teeth** (Clinical CD)

Shade guide- Dentsply Classic Shade Guide (interims or reduced price denture(CD course)),  
Dentsply IPN Shade guide (permanent or final CD's),  
Ivoclar Shade guide Blueline (temporary or permanent)  
Mold Boards Dentsply **Classic Teeth** (interims or Course Denture) Dentsply IPN (final CD's),  
Tongue Blade  
1 piece rope wax for tooth arrangement  
Face Mirrors  
millimeter ruler  
Tooth Indicator Board for Dentsply or Ivoclar  
Mold Sheets that show teeth actual size and measurements  
Gingival Shades. (samples of Lucitone & Coe Lor colors if black patient)  
Tooth Order Form  
Ivoclar Tooth measurement gauge (measure ala to ala of nose if Ivoclar teeth)

### **Mount Case** (Preclinical and Clinical CD)

Plaster to mount case 2 pkgs to attach both casts to mounting plates

Plaster 1 pkg to finish each arch mounting.

Hanau Articulator

Mounting plates or mounting rings (max. and mand.)

Prescription Pad sheet (dispensary)

Bowl

Spatula

Buffalo knife

Sandpaper or dense micro sponges at sinks to finish plaster

### **Wax Try In & Dixie Cup Transfer** (Clinical CD)

Tongue Blade

Pen to mark patient to check VDO

Green Stick Compound ( if records off to record new CJR) Aluwax may be substituted

Bunsen Burner

Hanau Torch

Matches or flint

Waxing Instruments (# 7 and #11 spatulas)

Prosthetic Set Up Kit (may contain some of these items listed)

Lab Plaster - 1 pkg (if remount necessary for incorrect jaw registration)

Paper cup or Plastic cup for Remount Index (Dixie cup transfer)

Lab Plaster - 1 pkg for Remount index (Dixie Cup transfer)

Vaseline to coat teeth

Bowl

Mixing Spatula

Slow speed handpiece with straight cone (possibly)

Acrylic resin burs

Hand Mirror for patient

### **Delivery of Denture & Remount Casts** (Clinical CD)

Sil-tech Putty 1 scoop for each arch and catalyst 1¾ inch for each scoop

2 pkgs yellow stone to make remount casts

1 pkg of plaster to remount upper

Compound 1 stick maybe 2 or Aluwax may be substituted to record jaw regis.

1 pkg of plaster to mount lower

Articulation ribbon 1 red silk & holder in kit

Prosthetic Set up Kit

Slowspeed handpiece with straight cone

Acrylic burs (#558 to release frenum, acrylic resin Narrow tapered and rounded to adjust)

Pressure indicator paste ( small amount per arch)

Acid Brush for application of PIP

2 x 2 gauze for PIP removal w sm. amt. of mouthwash in cup to clean PIP from CD

Indicator Wax available at dispensary to determine over-extention (if nec.)

Hand Mirror  
Set of Instructions for Care of Dentures  
Denture Brush  
Denture Cup for storage of dentures

### **Adjustments** (Clinical CD)

Slowspeed handpiece with straight cone  
Acrylic burs  
Pressure indicator paste  
2 x 2 gauze for PIP removal w/sm. amt. of mouthwash in plastic cup  
Acid Brush  
Articulation ribbon (red silk)  
Articulation ribbon holder  
Dr. Thompson indelible ink marker (if requested to determine position of lesion on denture)  
Mouth mirror

### **Tooth Setting or Adjustment of Case** (Preclinical and Clinical CD)

Hanau Torch  
Bunsen Burner  
1 piece Baseplate Wax  
#7 wax spatula  
#11 wax spatula  
Pressure indicator wax (if available) for overextension determination  
Paper for the bench top  
Articulating paper  
Articulating paper holder  
Mounted case  
Slow speed w/ straight cone attachment or high speed  
Acrylic resin burs  
Teeth (if ordering for a set up)  
Tin foil if window cut in baseplate

## **Procedures Related to Clinical TX.**

### **Soft Reline of Denture (for tissue conditioning or functional impression)**

Instruction Sheet for specific material  
Acrylic Resin Burs (one deep cut resin bur to remove old Liner material)  
Acrylic burs to adjust any sore spots  
Pressure indicator paste (if denture adjustment indicated)  
Wax lined paper cup in which to mix material  
Spatula (lg. cement or plastic spatula provided with material or tongue blade (least desirable))

Lynal or Coe Soft kit  
Measure for liquid  
Measure for powder  
Separating medium or Vaseline for tooth and palate applicationn)  
Bard Parker blade handle (red lab type)  
Bard Parker blade # 25 or #20 for lab handle  
Slow speed handpiece & straight cone attachment  
1 cotton tip applicator for lubricant  
2 x 2 gauzes  
Lathe equipment  
Gauze wheel for pumice  
Gauze wheel for acryluster  
Pumice  
Acryluster  
Cup with mouthwash diluted with water  
Napkin or paper towel for patient  
Patient napkin to prevent clothing damage  
Saliva ejector  
Articulating paper & holder  
Instructions on care of soft liner

### **Radiographic Stent (FPD type)**

Duplicate cast  
Spare teeth to do wax up (Temp Metal Crown w dielube may be used as mold to make wax tooth  
or Wax to do diagnostic wax up  
Block out resin or wax  
Alginate for impression of wax up  
Mixing bowl & Spatula  
Stone to pour cast of wax up  
Vacuform sheet (.040 gauge plastic square)  
Vacuform machine  
Buffalo separating disk or substitute to cut vacuform plastic fro cast  
Slow speed handpiece with straight cone  
Wax coated paper cup or dappen dishes to mix acrylic  
Spatula or tongue blade for mixing  
Ortho resin liquid and powder  
Gutta percha  
#8 or #10 long shank bur

### **Radiographic Stent ( 2 implant retained CD)**

Denture of patient  
Regular Set Alginate (7 scoops for 1/2 of flask, 7 scoops for other 1/2 of flask)  
Mixing Bowl and Spatula  
Measuring device (Alginate should be more wetted than for impression

Water in cup (to wet fingers to prepare alginate with no undercuts)  
Vaseline to lubricate set Alginate in First half of Flask  
Ortho Resin powder and Liquid (clear)  
Wax coated cup or ceramic cup in which to mix resin  
#10 round long shank bur to drill holes in implant locations  
Gutta percha to fill holes drilled in placement zones for C T scan  
Acrylic Resin Burs (thin tapered and rounded ) (to finish stent)  
2 Cotton Tip Applicators (Sticks to place in holes to parallel holes for implant placement)

### **Temporary RPD Construction by Student**

Repair Acrylic powder and Repair monomer (Clear)  
Mounting Case Mtls. (depends on whether repair area is in occlusion with opposing arch)  
-yellow Quick Stone  
-plaster  
-Mounting plates  
2 dappen dishes  
1 brush handle with 2 disposable brush tips  
Orthodontic .032 or .036 wire for clasps  
bird beak and/or 3 prong pliers to form clasps  
Bard Parker red lab handle and #20 blade ( if desired)  
Lubricant (Vaseline) or Supersep  
Acrylic resin burs Thin tapered and rounded oval  
#11 and #7 Wax spatulas  
Acid brush (for Vaseline)  
Lab Putty (Siltech) 1 scoop if ind. and 1 3/4 in catalyst per scoop  
Pressure Pot  
Optional: to roll out material  
Roller board (thick side)  
Wax coated Paper cup or ceramic cup for mixing resin  
Replacement Teeth  
Tongue blade or spatula  
Optional in place of Acrylic Resin: Triad method (not as predictable - Teeth need mechanical retention)(fractures easily, does not flex into undercuts)  
Triad material (pink fibered)  
Triad Gel and bonding agent  
Triad curing unit  
Hanau Torch  
Straight bur (#558 long shank or likeness)( for retention in teeth)  
Impression Materials (bowl, spatula)

### **Essix Appliance Construction**

Shade guide if prosthetic teeth needed  
Impression material (PVS if mailing) Alginate if home made  
Yellow stone



Vaseline for indices on casts  
Mounting materials (if needed)  
    Mounting rings or plates  
    Mounting plaster  
    Bowl & Spatula  
Triad machine  
Laboratory putty (Sil Tech putty)  
Teeth replacement  
Vacuform machine  
Triad block out resin or other blackout  
Hanau Torch,  
#7 Wax Spatula  
scissors,  
Acrylic resin burs or 557 (lab shank) for tooth retention  
separating disk to remove it from cast  
Essix material sheet  
Polishing burs,  
Sm Wire brushes to polish edges of final Essix available from South Lab dispensary  
Sticky wax,  
Superglue might be helpful to secure teeth in appliance  
Articulation ribbon for occlusal adjustment  
Articulating paper holder

## **Survey and Design Casts (RPD Consults and Preclinical RPD)**

Surveyor with table  
Tools (.01 & .02 undercut gauge, Waxing tool, analyzing rod, lead sheath  
Lead (on carts in unit labs)  
Red and Blue Pencil  
Brown Pencil  
Eraser Tool  
Perio Probe or mm ruler  
Tentative design sheet  
Prescription form (available at dispensary)  
RPD Step Card of patient (if indicated)  
Master Cast to be designed and/or Diagnostic Cast (should be present if designing Master Cast)  
Tooth Order Form (if indicated)

## **Tooth Repair (Clinical CD & Seminar)**

Siltech Putty 1 scoop to 1 3/4 inch catalyst ( for working cast)  
Siltech Putty 1/2 scoop and 1 inch catalyst (for index)  
Vaseline (to prevent stone getting into acrylic of denture on Working cast  
Bowl & Spatula  
Quickstone or Laboratory Plaster (working cast)

5 x 5 plate(s) on which to place working cast during fabrication  
Bard Parker Handle and #20 Blade  
#11 Spatula (various uses)  
#7 Spatula used to make undercuts in putty and vibrate stone into undercuts when pouring cast  
Buffalo Knife  
1 stick sticky wax  
Mold Board (Classic ) or Scrap teeth preferably & Booklet  
Classic Shade Guide  
Base Material Shade guides if sending it to Lab  
Millimeter Ruler  
Acrylic Repair Resin and Monomer (not pink ortho resin monomer)  
2 dappen dishes (one for monomer, one for powder)  
Plastic handle for sm. disposable brush tips  
2 brush tips  
Low Speed Handpiece Motor and straight cone attachment  
Acrylic Resin burs (pointed and rounded oval)  
Hanau torch  
Lighter  
2 Gauze Wheels (Marked A for Acryluster & P for Pumice  
1 pkg. Pumice & cardboard container for Pumice on Lathe

### **Mounting the Case Necessary due to Occlusion with opposing arch**

2 pkgs. Mounting Stone or plaster  
2 mounting plates for articulator

### **Broken Baseplate Repair** (Clinical CD and Seminar)

1 broken denture (two parts must approximate perfectly (no superglue!))  
1 stick sticky wax (lute parts of denture together)  
Siltech Putty 1 scoop to 1 3/4 inch catalyst ( for working cast)  
Bowl & Spatula  
Quickstone or Laboratory Plaster (working cast)  
5 x 5 plate(s) on which to place working cast during fabrication  
Bard Parker Handle and #20 Blade  
#11 Spatula (various uses)  
#7 Spatula used to make undercuts in putty and vibrate stone into undercuts when pouring cast  
Buffalo Knife  
Base Material Shade guides (if sending it to Lab)  
Millimeter Ruler  
Acrylic Repair Resin and Monomer  
2 dappen dishes (one for monomer, one for powder)  
1 Plastic handle for sm. disposable brush tips  
2 brush tips  
Low Speed Handpiece Motor and straight cone attachment  
Acrylic Resin burs (pointed and rounded oval)  
Hanau torch

Lighter

2 Gauze Wheels (Marked A for Acryluster & P for Pumice

1 pkg. Pumice & cardboard container for Pumice on Lathe

PIP & articulating paper and Holder (when delivering to patient)