

## Operative Dentistry: Class II Cavity Preparation

### Examination and Amalgam Set Up

The following is the detailed armamentarium for the class 2 cavity preparation, restoration and polishing on the clinic floor. This should be set up before bringing a patient to the chair.

#### I. Examination Set Up

- a. Check your dental chair that it is in good working condition (light, air and water syringe, high and low speed handpieces and ejectors)
  - i. Patient complete set of x-ray on viewer box
  - ii. Cotton rolls
  - iii. Gauze (dry and with alcohol)
  - iv. suction tip
  - v. saliva ejector
  
- b. Examination instruments  
Remove examination instruments from the sterilizing bag and place them on the instrument organizer tray:
  - i. Mirror
  - ii. Explorer (EXD 2A)
  - iii. Explorer (EXD 5)
  - iv. Perio probe
  - v. Cotton pliers
  - vi. Articulating paper holder
  - vii. Articulating paper
  - viii. Dental floss
  - ix. Heavy utility pliers

#### II. Amalgam Set Up

- a. Check your dental chair that it is in good working condition (light, air and water syringe, high and low speed handpieces and ejectors)
  - i. Examination instruments (the same as the Examination set up)
  - ii. Patient complete set of x-ray on viewer box
  - iii. Injection syringe
  - iv. Appropriate needle (upper or lower)
  - v. Topical anaesthetic
  - vi. Q tips
  - vii. Cotton rolls
  - viii. Gauze (dry and with alcohol)
  - ix. Suction tip
  - x. Saliva ejector

- b. Examination instruments  
Remove examination instruments from the sterilizing bag and place them on the instrument organizer tray
  - c. Instrument organizer tray  
Place on your instrument organizer tray the hand cutting instruments that you are going to use for the particular cavity procedure and four spoon excavators. Close your instrument cassette lid and put it aside
  - d. RA Bur caddy  
Place on it ONLY the burs that you are going to use for the procedures- send your burs for sterilizing with the bur caddy closed (Discard the high speed bur after one or two cavity preparations; depending on the cavity size or procedure).
  - e. Rubber dam equipment\*
    - i. Forceps
    - ii. Punch
    - iii. Frame
    - iv. Rubber dam (punched for the area that you are working)
    - v. Dental floss
    - vi. Appropriate clamp with a piece of floss attached
    - vii. Blunt tip scissors
    - viii. Water soluble lubricant
    - ix. Red compound, (bunsen burner and matches; if you are using 212 clamp – C clamp)
- \*place your rubber dam equipment away from your working area after placement of the rubber dam for later use.
- f. Wedge carousel
    - i. Orange Wedges
    - ii. Natural
    - iii. Green
    - iv. Yellow
    - v. Blue
    - vi. Red
  - g. 3M pop on disk set (Sof-Lex) (polishing class 2 amalgam)
  - h. 3M Mandrel set (latch, F.G. and HP)
    - i. Surgical knife with new blade (eg. shaping wedges etc.)
    - j. Round bur box (with all burs included and in good condition)
    - k. Mixing pad and/or glass slab
    - l. Slow speed handpiece auxiliary heads (Friction grip, Latch and straight )
    - m. Bur cleaning brush
    - n. Dappen dish
    - o. Amalgam

- p. Amalgam carrier
- q. Amalgam well
- r. Matrix retainer
- s. Matrix bands (class 2 cavity.: universal #1 and #2)
- t. Amalgam polishing caddy