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