Laboratory Project #5

Setting the Articulator, Mounting Maxillary and Mandibular Casts

**ATTENTION**

READ THIS SECTION BEFORE STARTING PROJECT

1. SETTING THE ARTICULATOR

SET THE ARTICULATOR BEFORE MOUNTING THE CASTS.

Make sure you set the incisal pin to **O (zero)** and the anterior guide table is set flat (1). The condylar guides are set to **30 degrees** Figure 2.
2. INDEXING THE CASTS
Index all of the casts before starting on the project. This will allow you to place the casts back on their mounts should they come off during the module. After indexing place Vaseline in the grooves fig (3).

3. LAND AREA
Please trip land areas 1 mm high from vestibule and 3 – 5 mm wide on both maxillary and mandibular casts as shown in Figures 4 and 5.
4. MOUNT THE MAXILLARY EDENTULOUS CAST

Mount the maxillary edentulous cast first with the jig provided by your bench instructor. Use quickset (mounting) plaster. Soak the cast is your green mixing bowls for 2-3 minutes prior to mounting. Make sure the mounting plates are fully seated and the bolt is securely tightened. Place a small amount of quick set plaster in the center of the cast and close the articulator. Let it set for 3-4 minutes then pass the jig on to the next student. You can fill in the remaining stone later fig (6 & 7)
5. MOUNT THE MANDIBULAR EDENTULOUS CAST

Next mount the mandibular edentulous cast. Make sure the incisal pin is set to 0 and the condylar screws are tight. Make sure the cast has been indexed and mount it as outlined above. After the initial set of the plaster pass the jig along to the next student. Place a second layer of plaster over the first and smooth the surface using your wet-dry sand paper fig (8,9 & 10). The mounted casts will be graded for neatness on the grade sheet provided.
Figure 8. Mount mandibular cast with articulator upside-down.

Figure 9
Figure 10. Mounted maxillary and mandibular casts.