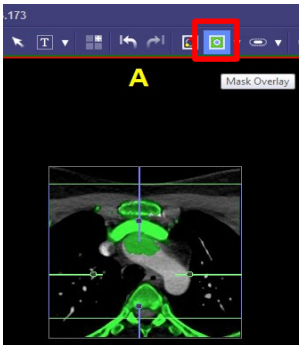
Angio Head and Neck Post Processing

NON- Dual Energy (GE, large patients, outside facilities)

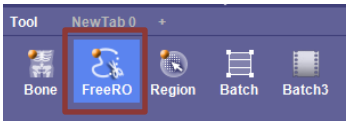
1. Complete 2D reconstructions the same as DE protocol.
2. In Tera, select AXIAL 0.6 and load into "GHS Carotid" workflow. It will automatically run "bone removal" to create a Rotating MIP. Tera does not suppress bone as well as Siemens, you will need to verify vessels are not missing. Scroll through Axial view with green "Mask Overlay" on. Use Region grow, holding "Shift+ Control" to bring "green" vessels back into your image. If it "grows" beyond vessel use mouse wheel to dial it back, click "add/select" or undo as needed.



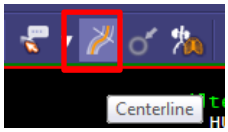
Free ROI tool can also be used by:

1. Circle around carotid on axial
2. Scroll through data circling periodically
3. System will interpolate data, select include
   - Must be accurate with circling close to bony anatomy to avoid pulling bone back

3. clean up frags using paintbrush tool (in Free ROI function) if time allows



4. Once you're happy with the Volume, adjust magnification and center AP and Lateral with entire volume visible. Click on "Rotating MIP" element and turn off center lines.



It defaults to a Left lateral potion with a MIP Full (volume) set up to rotate 24 images 180 degrees to the right.

   a. Label "Rotating MIP" series 1001. Validate

5. Click "Clear Mask" at bottom right corner of screen to bring bone Volume back. Cut skull away to visualize vessels and create Batch 3D "bowl view" capturing an image in right lateral, RPO, superior view, LPO, left lateral and frontal view. Anything outside light blue vertical lines will not be visualized in output so don't over magnify
   a. Label "3D" Series 1002. Validate
6. Create CPR MIPs of each carotid, batch 360, 36 images.
   a. Label "Right Carotid CPR MIP" Series 1003
   b. Label "Left Carotid CPR MIP" Series 1004
7. Save Workflow Scene