


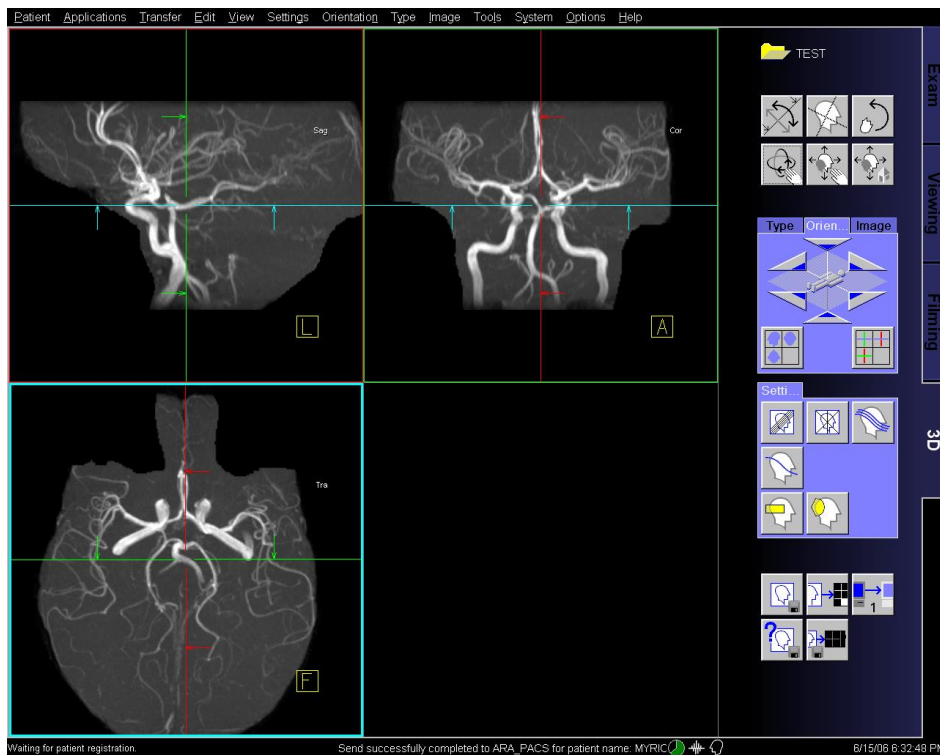
SIEMENS MRA BRAIN MIP INSTRUCTIONS

NOTE:

- 3D Configuration Setting: High Quality MIP filter with 512 matrix.
- Send raw data & MIPs to PACS.
 - Uncut Lateral & Tumble MIPs
 - Anterior Circulation Lateral & Tumble MIPs
 - Anterior Circulation Obl 1 & Obl 2 MIPs
 - Anterior Circulation Unilateral LT & RT Lateral MIPs
 - Posterior Circulation Lateral & Tumble MIPs

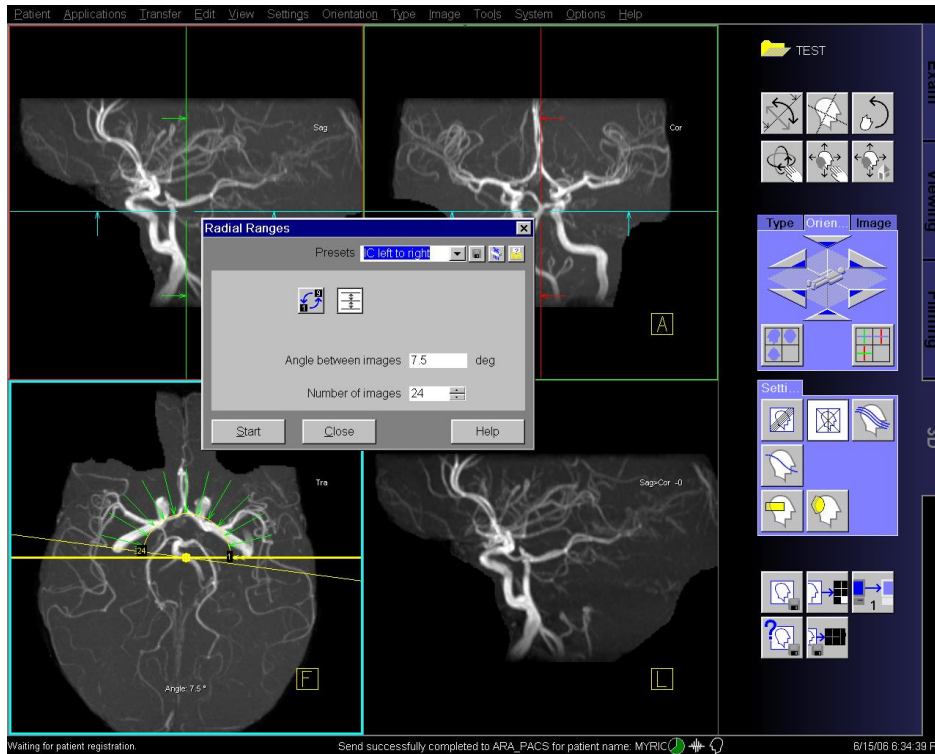
1. Load the source images into the 3D program.

2. Use the VOI / Punch tool  to cut out everything outside of the anterior and posterior circulations.



3. Create a series of 24 images 7.5 degrees apart from left to right around the anterior side of the patient using the

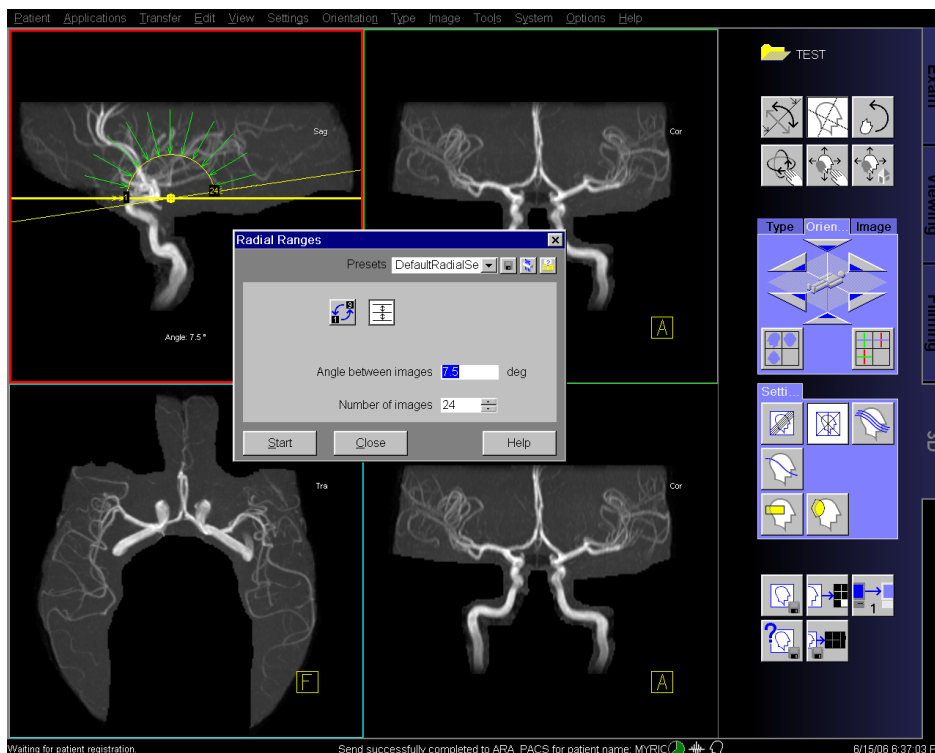
Radial Ranges  tool.



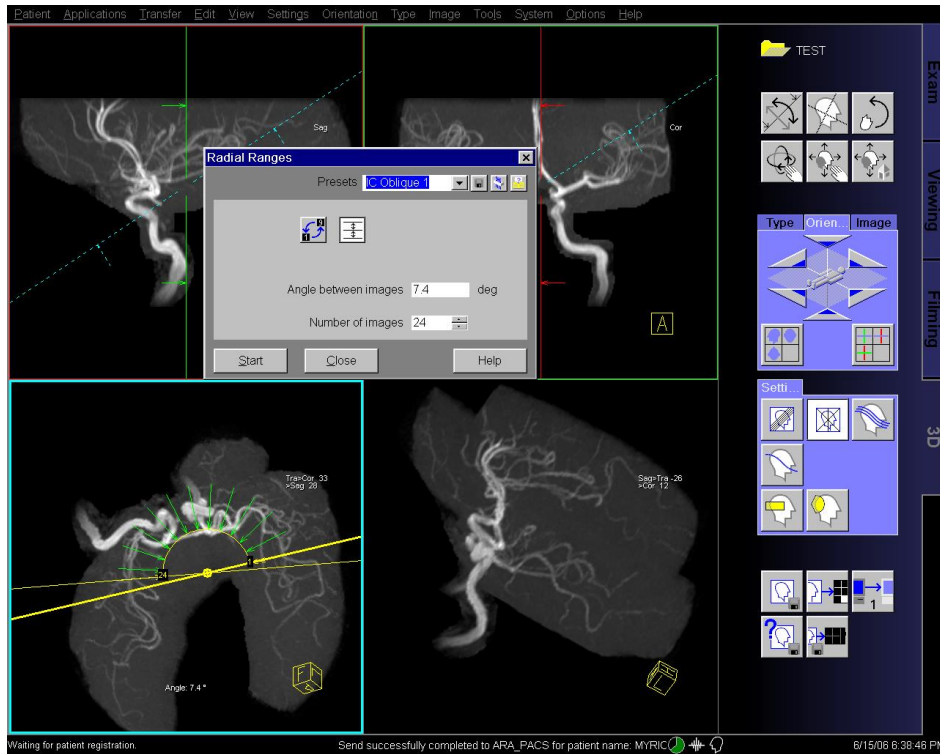
4. Save and name the resulting series using the Save / As  function.

5. Use the VOI / Punch tool to cut the posterior circulation out of the 3D volume.

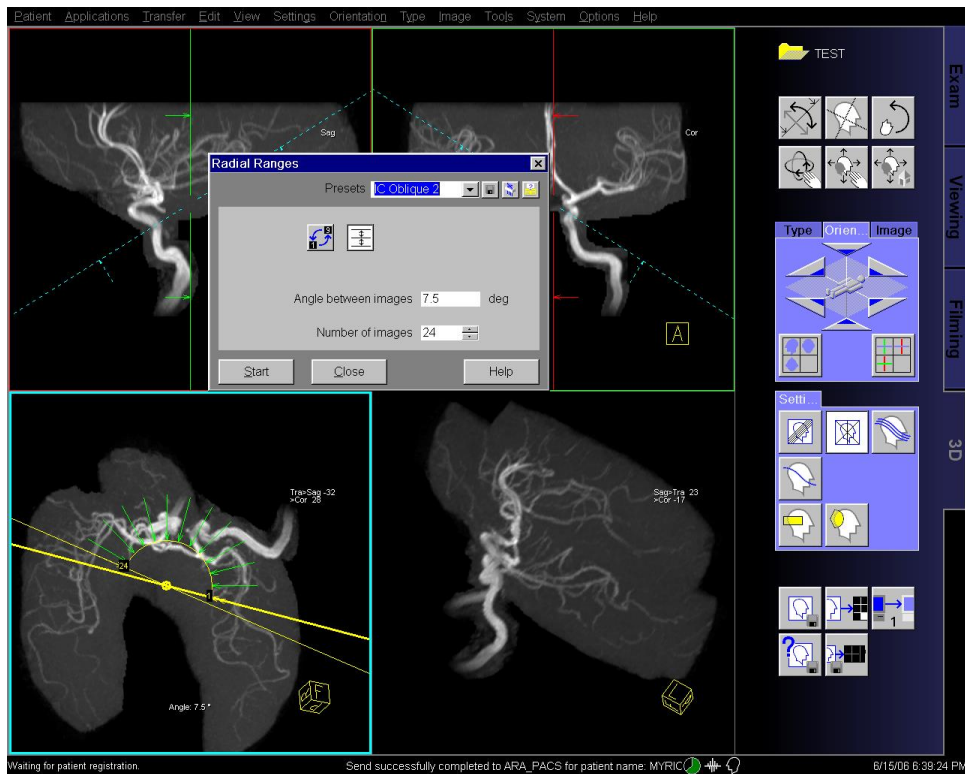
6. Create and save a series of 24 images 7.5 degrees apart from anterior to posterior around the top of the head.



7. Create and save a series of 24 images from left to right around the anterior side of the patient from the axial plane image that has been rotated 30 degrees in both the coronal and sagittal directions.

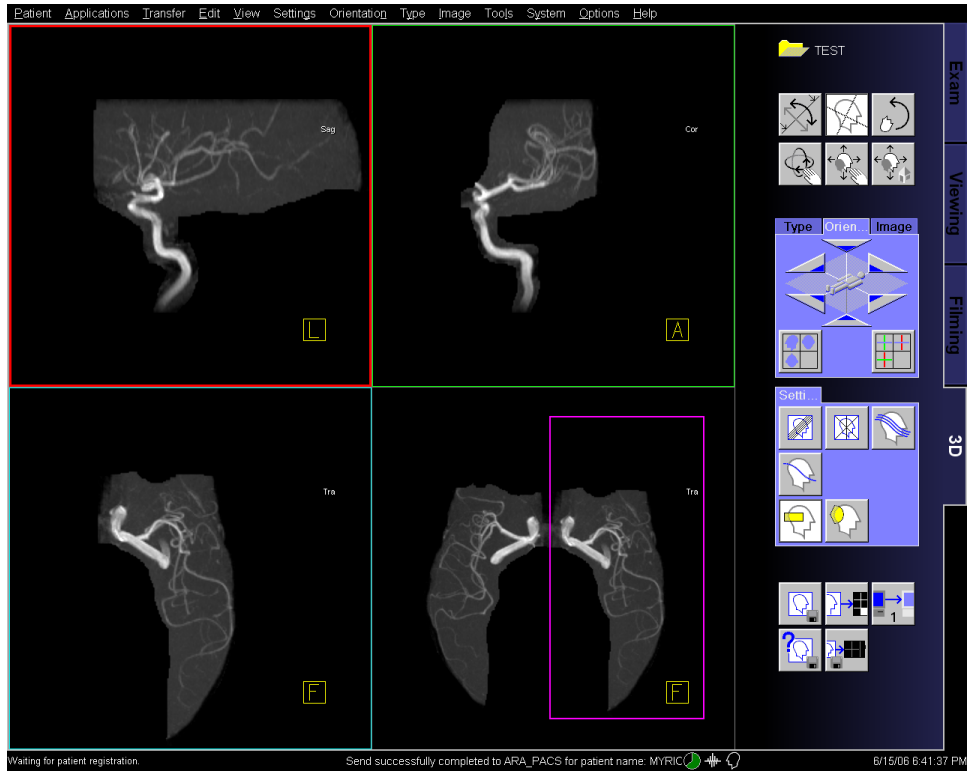


8. Reverse the direction of the Sagittal rotation. Create and save a series of 24 images from left to right around the anterior side of the patient from the axial plane image that has been rotated 30 degrees in both the coronal and sagittal directions.

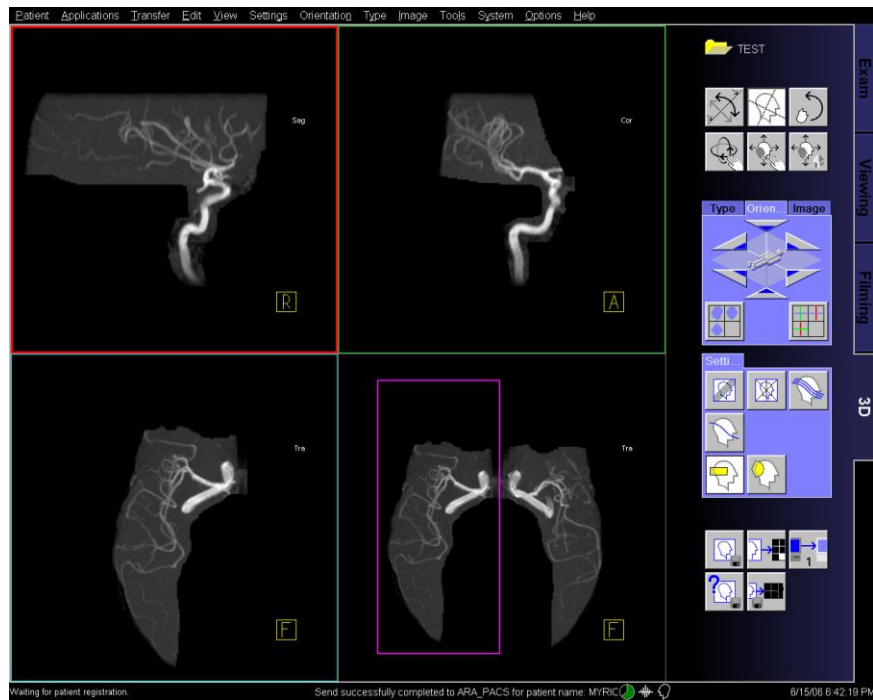




9. Use the VOI Clipbox tool to temporarily exclude everything except the left-sided anterior circulation. Save a left to right rotation of the left anterior circulation, with 24 images rotated at 7.5 degrees.



10. Use the VOI Clipbox tool to temporarily exclude everything except the right-sided anterior circulation. Save a left to right rotation of the right anterior circulation, with 24 images rotated at 7.5 degrees.

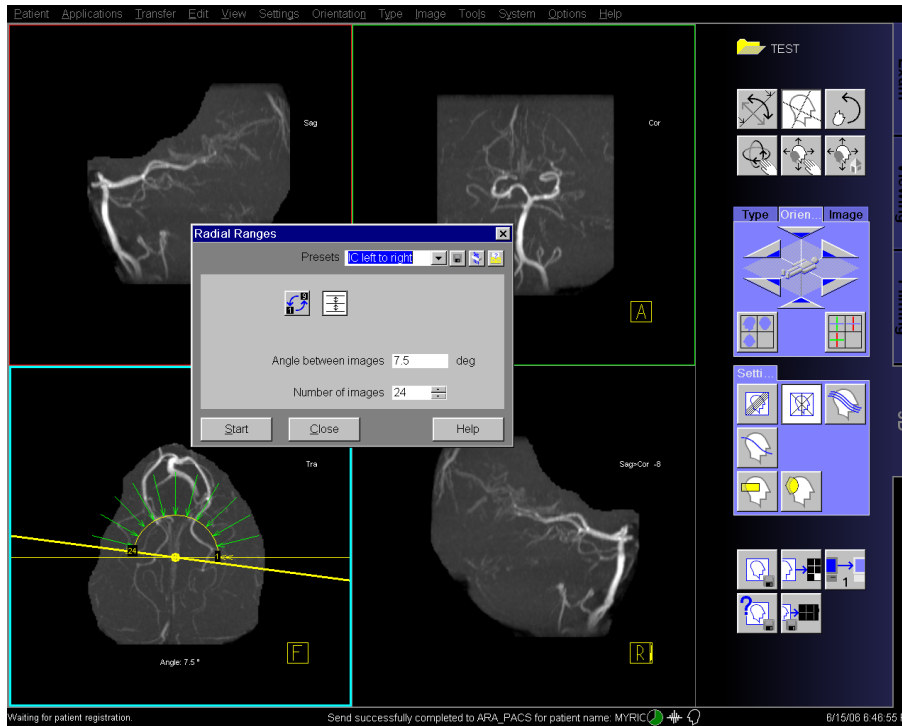


11. Open the VOI Clipbox to include the entire brain.

12. Use the Undo All function  under the VOI Punch toolbox.

13. Use the VOI / Punch tool to remove everything except the posterior circulation.

14. Create a series of 24 images 7.5 degrees apart from left to right around the anterior side of the patient using the Radial Ranges tool.



15. Create and save a series of 24 images 7.5 degrees apart from anterior to posterior around the top of the head.

