

Scanning Procedure:

- While registering the subject, include their height and weight. This plays some role in flow quantification.
- Use both Head and Neck coil for all the sequences.
- Also put a Pulse trigger on the subject's (left / right) index finger before starting the scan.

Here some images showing the positioning for different sequences.

SWI Axial:



Note: Cover the whole brain including neck.

2D TOF MRV Axial:



Same as SWI Axial.

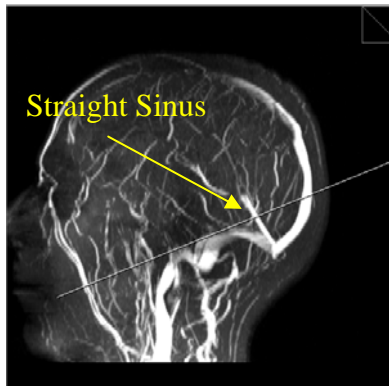
Note: Copy the slice positioning from the SWI Axial.

Flow Compensated sequence with $V_{enc} = 40 \text{ cm/sec}$:

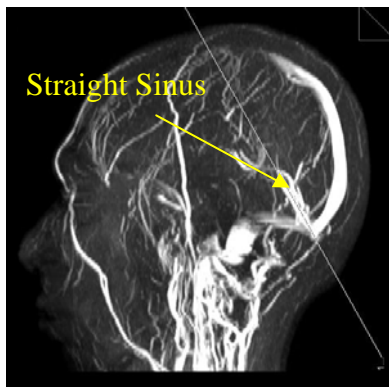
Make sure to put the pulse trigger on the subject's (left / right) index finger.

This sequence need to be repeated for different parts of the brain. See below:

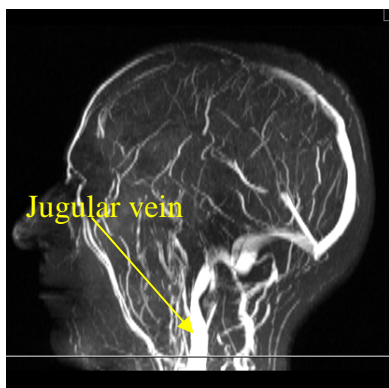
- Perpendicular to Straight sinus:



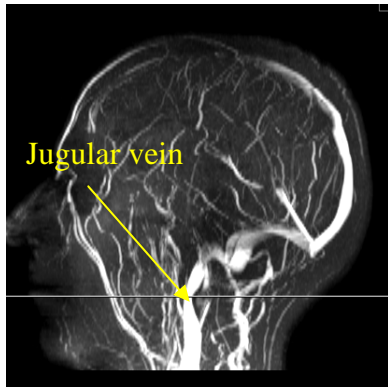
- In-Plane to Straight sinus:



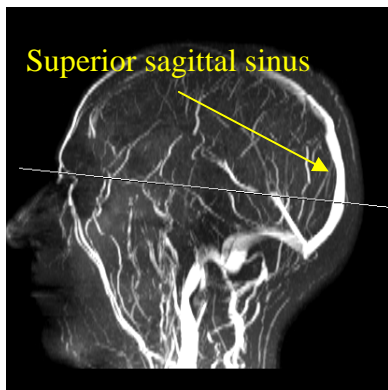
- Perpendicular to Jugular vein (lower part of the neck):



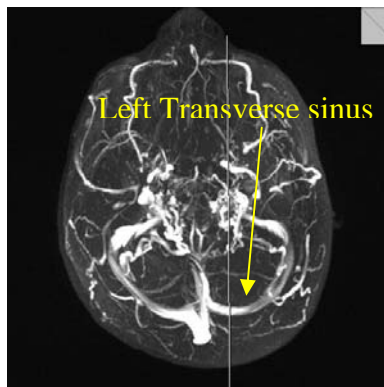
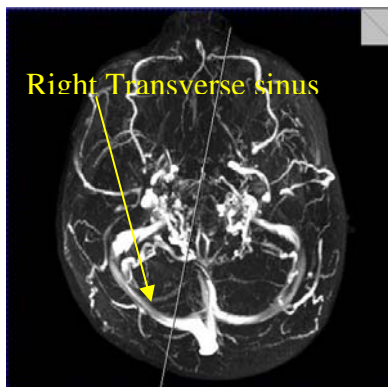
- Perpendicular to Jugular vein (upper part of the neck):



- Perpendicular to Superior sagittal sinus:

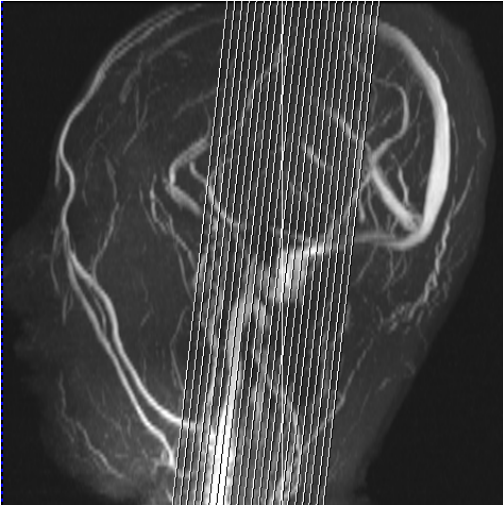


- Perpendicular to Transverse sinus:



Note: This sequence should be repeated twice for left and right transverse sinuses. In some subjects you might observe either left / right transverse sinus only (which is normal). In such cases, just scan that transverse sinus that you observe.

SWI Coronal:



Note: Try to be in-plane to neck to cover the jugular vein.