

CAROTID DOPPLER SONOGRAM

Recommended Transducer(s):

Acuson 6 MHz Linear
GE 546L:

Position: Supine, with the head tilted away from the side of interest.

Images:

Longitudinal Grayscale: Proximal CCA
 Mid CCA
 Distal CCA
 Bulb
 ECA
 ICA

Look for any signs of plaque.

Longitudinal with color Doppler and spectral wave forms with 60 degree angle correction or less, of each of the following vessels:

CCA-Obtain velocity 2 cm from bulb
Bulb
ECA
ICA-Proximal, Mid & Distal
Vertebral artery

Remember to search each vessel for the highest velocity by lowering the velocity range on the color Doppler. Do not become just picture takers. **SEARCH and ANGLE CORRECTLY!!!**

Longitudinal color Doppler: CCA
 Bulb-ICA
 Bulb-ECA
 Vertebral arteries

These images should be taken in the areas of the highest velocity.

Transverse grayscale: Proximal CCA
 Mid CCA
 Distal CCA
 Bulb in Grayscale and Color
 Bifurcation in grayscale and color -label ICA & ECA

Repeat all images as listed above on opposite side.