

Imaging Findings	Cause
Reduction of vessel lumen. Associated vascular plaque.	Carotid stenosis
Atherosclerotic plaque with or without calcification.	Carotid stiffening
Tortuous carotid artery	Carotid tortuosity
Reduction of vessel lumen. Associated vascular plaque. Reversed vertebral artery flow secondary to occlusion.	Subclavian stenosis and/or steal
“Bag of worms” appearance with multiple vascular channels showing flow.	Arteriovenous malformation
Mass showing flow on color or power Doppler imaging at US and intense enhancement on contrast enhanced CT or MR.	Vascular tumor

COMBINED REPORT TEMPLATE/CHECKLIST

FOR CAROTID US DONE FOR CAROTID BRUIT

CAROTID ULTRASOUND WITH COLOR AND SPECTRAL DOPPLER

CLINICAL INFORMATION: Carotid bruit.

COMPARISON STUDIES: [Check priors to see if following a known lesion.]

TECHNICAL INFORMATION:

INTERPRETATION:

CCA PSV cm/sec Right: Left:
CCA EDV cm/sec Right: Left:
ICA PSV cm/sec Right: Left:
ICA EDV cm/sec Right: Left:
ICA/CCA PSV Ratio Right: Left:

[COMMENT: Evaluate PSV and ratio values for elevation indicating stenosis as a cause of bruit.]

[Retrograde flow in the vertebral arteries (subclavian steal).]

[Reduced diameter of the carotid system (stenosis). Echogenic irregular arterial margin (atherosclerotic vascular plaque). Tortuous vessel (turbulent flow causing bruit).]

[Vascular mass or arteriovenous malformation.]

IMPRESSION: