

Accession/Encounter No: 12345678
DOB: 1950-03-01 **Age:** 76

Study Time: 01:03 PM
Reading Group: David Coll, MD
Referring Group: Samer Saiedy, M.D.
Sonographer: Jodi Zannino, RVT
Location: Cockeysville

Study Quality: Excellent
Diagnosis Code: Carotid bruit right

Risk Factors: Hypertension
Previous smoker
History of CAD/PVD
Procedure Code: 93880 Extracranial bilat study

After informed consent, a duplex Carotid ultrasound was performed.

RIGHT

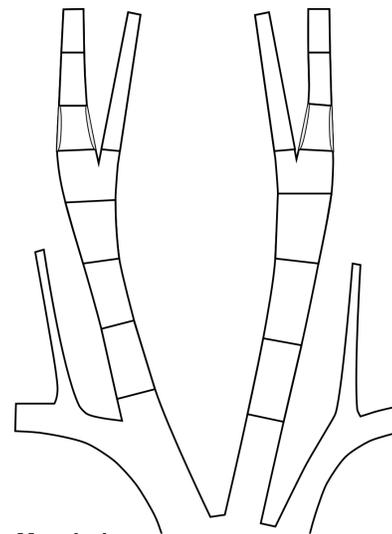
	PSV (cm/s)	EDV (cm/s)	Stenosis
ECA	100	5	
ICA-dis	98	10	
ICA-mid	88	12	
ICA-prox	95	10	Normal
CCA-dis	87	10	
CCA-prox	89	10	

PSV ICA/CCA ratio: 1.09
Vert. Art. Flow: Antegrade

LEFT

	PSV (cm/s)	EDV (cm/s)	Stenosis
ECA	112	9	
ICA-dis	100	10	
ICA-mid	98	11	
ICA-prox	95	10	Normal
CCA-dis	97	10	
CCA-prox	89	10	

PSV ICA/CCA ratio: 0.98
Vert. Art. Flow: Antegrade



Morphology

	Normal		Heterogeneous
	Homogeneous		Calcific
	Shadowing		Intimal hyperplasia
	Post-operative		

Image represents data.
For details see findings/conclusions text.

Right Findings:

The right common carotid, external carotid, and internal carotid arteries were evaluated using B-mode imaging and color/spectral Doppler. The right vertebral artery was also evaluated for direction of flow. No evidence for hemodynamically significant stenosis involving the right carotid arteries. No evidence of plaque along the walls of the right common carotid artery, internal and external carotid arteries. The vertebral artery flow is antegrade.

Left Findings:

The left common carotid, external carotid, and internal carotid arteries were evaluated using B-mode imaging and color/spectral Doppler. The left vertebral artery was also evaluated for direction of flow. No evidence for hemodynamically significant stenosis involving the left carotid arteries. No evidence of plaque along the walls of the left common carotid artery, internal and external carotid arteries. The vertebral artery flow is antegrade.

Conclusions:

Essentially normal extracranial carotid artery circulation bilaterally.

March 06, 2026 05:57 AM EST
David Coll, MD
Electronically Signed on Studycast

Conclusions:



Carotid Criteria Table

Degree of Stenosis(%)	Primary parameters		Additional parameters	
	Visual Plaque Size	PSV (cm/s)	EDV (cm/s)	ICA/CCA
ECA				
<50%	None to Mild	-	-	-
>50%	Moderate plaque by imaging	-	-	-
ICA				
Normal	None	<110	<40	-
1-39%	None to Mild	<110	<40	-
40-59%	Mild to Moderate	<130	40	-
60-79%	Moderate	>130	>40	-
80-99%	Severe	>250	>100	-
100%	N/A	N/A	N/A	-
CCA/Bifurcation				
<50%	None to Mild	-	-	-
>50%	Moderate plaque by imaging	-	-	-
Criteria reference: Bluth Criteria				