

Bilateral Carotid Study Report

Ben Greenfield
July 28, 2020

MRN: [REDACTED]
 DOB: [REDACTED] Age: 38
 Gender: M

Study Time: 10:27 AM
 Reading Group: Dr. Ram Dandillaya, MD, FACC
 Referring Group: To be Assigned
 Sonographer: ADM

Study Quality: Excellent

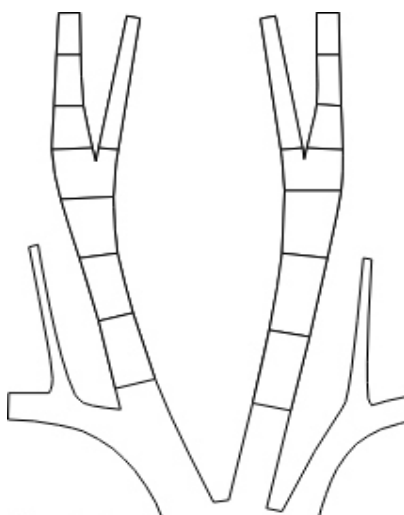
After informed consent, a duplex Carotid ultrasound was performed.

RIGHT

	PSV (cm/s)	EDV (cm/s)
ECA	35	0
ICA-dis	52	23
ICA-mid	43	17
ICA-prox	31	8
CCA-dis	79	11
CCA-mid	88	11
CCA-prox	106	10

LEFT

	PSV (cm/s)	EDV (cm/s)
ECA	48	4
ICA-dis	55	19
ICA-mid	51	19
ICA-prox	28	11
CCA-dis	63	7
CCA-mid	68	9
CCA-prox	59	0



PSV ICA/CCA ratio: 0.49
 Vertebral PSV: 23 cm/s

PSV ICA/CCA ratio: 0.8
 Vertebral PSV: 31 cm/s

Morphology

- Normal
- Homogeneous
- Shadowing
- Post-operative
- Heterogeneous
- Calcific
- Intimal hyperplasia

Image represents data.

For details see findings/conclusions text.

Right Findings:

Peak systolic velocities in the right bifurcation, internal, external and common carotid arteries are within normal limits. Right vertebral PSV 23 cm/sec.

Left Findings:

Peak systolic velocities in the left bifurcation, internal, external and common carotid arteries are within normal limits. Left vertebral PSV 31 cm/sec.

Conclusions:

No hemodynamically significant arterial disease in the internal carotid artery bilaterally.

August 26, 2020 04:35 PM EDT
 Dr. Ram Dandillaya, MD, FACC
 Electronically Signed on Studycast





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Carotid Criteria Table

Degree of Stenosis(%)	Primary parameters		Additional parameters	
	Visual Plaque Size	PSV (cm/s)	EDV (cm/s)	ICA/CCA
ECA				
<50%	Mild	-	-	-
>50%	Moderate plaque by imaging	-	-	-
ICA				
Normal	Normal IMT, No plaque	-	-	-
Minimal	Increased IMT >0.10 cm	-	<40	-
1-15%	Mild	<125	<40	<1.6
16-49%	Moderate	<125	<40	<1.8
50-69%	>=50%	125 - 230	40 - 99	2.0 - 4.0
>=70%	>50%	>=230	100 - 140	>4.0
80-99%	Marked lumen narrowing	>=230	>140	-
Near occlusion	Marked lumen narrowing	Low, undetectable	-	-
Total occlusion	No lumen, no flow	Undetectable	-	-
CCA/Bifurcation				
<50%	Mild	-	-	-
>50%	Moderate plaque by imaging	-	-	-

Criteria reference: Grant et al, RSNA, 2003. Gocke, MIIT, 2004