



Reason Stroke
Outcome Stenosis moderate

Right	Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
Common Plaque Intimal Thickening Disease length from BIF		0.74	0.08	< 25%
Bifurcation Plaque Dense Calcified Disease length from BIF				< 40%
Internal Plaque Dense Mixed Calcified Disease length from BIF		1.52	0.21	50% - 59%
		Pk ICA/Pk CCA = 2.1	Pk ICA/End CCA = 19.0	
External Plaque Intimal Thickening Disease length from BIF		0.67		< 30%
Vertebral Open Orthograde				
Subclavian No Turbulence		Good signal	Biphasic	Widely Patent

Left	Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
Common Plaque Intimal Thickening Disease length from BIF		0.89		< 30%
Bifurcation Plaque Dense Mixed Disease length from BIF				< 30%
Internal Plaque Dense Disease length from BIF		0.55		< 40%
		Pk ICA/Pk CCA = 0.6		
External Plaque Dense Mixed Calcified Disease length from BIF		0.91		< 40%
Vertebral Open Orthograde				
Subclavian No Turbulence		Good signal	Triphasic	Widely Patent

Stenosis based on NASCET velocity criteria.

Joint recommendations for reporting carotid ultrasound investigations in the United Kingdom'. Oates et al. Eur J Vasc Endovasc Surg. 2009 Mar;37(3):251-61

Notes

CAROTID DUPLEX:

*Irregular heart rate noted during this scan.

Mixed, dense and calcified plaques identified in the right internal carotid artery forming a 50-59% stenosis, based velocities, however appears as a less than 50% stenosis visually. Distal ICA is patent.
Dense plaques identified in the left internal carotid artery forming a less than 40% stenosis.

Antegrade flow noted in the right and left vertebral arteries.

Assessed by Sharifa Kiyegga

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Checked by



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Suggest vascular surgical opinion if appropriate.