

Reason Pre-op CABG
Outcome Stenosis moderate, Obscured, Calcified

Right	Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
Common Plaque Mixed Disease length from BIF		0.77		< 30%
Bifurcation Plaque Dense Calcified Disease length from BIF				< 50%
Internal Plaque Dense Disease length from BIF		1.03		< 30%
		Pk ICA/Pk CCA = 1.3		
External Plaque Normal Disease length from BIF		1.59		< 25%
Vertebral	Open Orthograde			
Subclavian	No Turbulence	Good Signal	Biphasic	Widely Patent

Left	Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
Common Plaque Mixed Disease length from BIF		0.89	0.20	< 30%
Bifurcation Plaque Dense Calcified Disease length from BIF 0.70cm but is obscured				< 0%
Internal Plaque Dense Calcified Disease length from BIF		1.61	0.27	50% - 59%
		Pk ICA/Pk CCA = 1.8	Pk ICA/End CCA = 8.1	
External Plaque Dense Calcified Disease length from BIF		2.54		50% - 59%
Vertebral	Open Orthograde			
Subclavian	No Turbulence	Good Signal	Biphasic	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 ASSESSMENT

Dense plaques identified in the right internal carotid artery, forming a less than 30% stenosis. The left carotid bifurcation and origin of the internal carotid artery is obscured by acoustic shadowing from calcified plaques for ~0.7cm. Velocities obtained just distal to the obscured region are suggestive of a 50-59% stenosis in the internal carotid artery. However cannot exclude greater stenosis in the obscured region. Distal to the disease the vessel appears patent.

SUGGEST ALTERNATIVE IMAGING, IF APPROPRIATE.

Assessed by Rachel Johnson

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Checked by

SUGGEST VASCULAR SURGICAL OPINION, IF APPROPRIATE.