

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

Right	Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
Common		0.63		< 40%
Plaque	Dense			
Disease length from BIF				
Bifurcation				< 50%
Plaque	Dense Calcified			
Disease length from BIF				
Internal		0.94		< 50%
Plaque	Dense Calcified			
Disease length from BIF		Pk ICA/Pk CCA = 1.5		
External		2.35		< 40%
Plaque	Dense Calcified			
Disease length from BIF				
Vertebral	Open Orthograde			
Subclavian	No Turbulence	Good Signal	Triphasic	Widely Patent

Left	Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
Common		0.85	0.15	< 30%
Plaque	Mixed			
Disease length from BIF				
Bifurcation				< 50%
Plaque	Dense Calcified			
Disease length from BIF				
Internal		1.43	0.37	50% - 59%
Plaque	Dense Calcified			
Disease length from BIF	0.90cm but is obscured	Pk ICA/Pk CCA = 1.7	Pk ICA/End CCA = 9.5	
External		2.19		< 40%
Plaque	Dense Mixed			
Disease length from BIF				
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

Dense and calcified plaques identified in the right internal carotid artery, forming a less than 50% stenosis. Dense and calcified plaques identified at the origin of the left internal carotid artery, obscuring the vessel for ~0.9cm. Velocities obtained just distal are suggestive of a 50-59% stenosis, however cannot exclude a greater stenosis in the obscured region. Distal to the disease the vessel appears patent.

SUGGEST VASCULAR SURGICAL OPINION, IF APPROPRIATE.

Assessed by Rachel Johnson

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