



**Reason** Stroke  
**Outcome** Stenosis moderate

Right	Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
<b>Common</b> Plaque Intimal Thickening Disease length from BIF		0.77	0.10	< 30%
<b>Bifurcation</b> Plaque Mixed Disease length from BIF				< 30%
<b>Internal</b> Plaque Dense Mixed Disease length from BIF		0.68		40% - 49%
		<b>Pk ICA/Pk CCA = 0.9</b>	<b>Pk ICA/End CCA = 6.8</b>	
<b>External</b> Plaque Intimal Thickening Disease length from BIF		1.89		< 25%
<b>Vertebral</b> Open Orthograde				
<b>Subclavian</b> No Turbulence		Good signal	Triphasic	Widely Patent

Left	Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
<b>Common</b> Plaque Mixed Disease length from BIF		0.72	0.07	< 30%
<b>Bifurcation</b> Plaque Dense Mixed Calcified Disease length from BIF				< 40%
<b>Internal</b> Plaque Mixed Calcified Disease length from BIF		1.51	0.33	50% - 59%
		<b>Pk ICA/Pk CCA = 2.1</b>	<b>Pk ICA/End CCA = 21.6</b>	
<b>External</b> Plaque Dense Mixed Disease length from BIF		2.19		< 40%
<b>Vertebral</b> Open Orthograde				
<b>Subclavian</b> 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 ASSESSMENT:

Mixed and dense plaques identified in the right internal carotid artery, forming a 40-49% stenosis.

Mixed, dense and calcified plaques identified in the left proximal internal carotid artery, forming a 50-59% stenosis based on greyscale, colour-flow and velocity criteria. Total disease measures ~1.80cm including the bifurcation. The distal ICA is patent at this time.

SUGGEST VASCULAR SURGICAL OPINION IF APPROPRIATE

Assessed by Sharifa Kiyegga

Printed on 16/12/2019 at 11:27 am

Checked by



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