



Reference

Accession

Patient

NHS No

D.O.B.

Patient Ref

Reason

Stroke

Outcome

Stenosis severe, Obscured, Calcified, Poor images

Right		Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
<b>Common</b>			0.65		< 30%
Plaque	Dense Mixed				
Disease length from BIF					
<b>Bifurcation</b>					< 40%
Plaque	Dense Mixed				
Disease length from BIF					
<b>Internal</b>			3.86	1.17	90% - 95%
Plaque	Dense Mixed Calcified				
Disease length from BIF	1.00cm but is obscured				
			<b>Pk ICA/Pk CCA = 5.9</b>		
<b>External</b>			1.87		< 40%
Plaque	Dense Mixed				
Disease length from BIF					
<b>Vertebral</b>	Open Orthograde				
<b>Subclavian</b>	No Turbulence		Good Signal	Biphasic	Widely Patent

Left		Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
<b>Common</b>			1.12		< 40%
Plaque	Dense Mixed				
Disease length from BIF					
<b>Bifurcation</b>					< 50%
Plaque	Dense Mixed Calcified				
Disease length from BIF					
<b>Internal</b>			6.21	1.36	90% - 95%
Plaque	Dense Mixed Calcified				
Disease length from BIF	1.80cm but is obscured				
			<b>Pk ICA/Pk CCA = 5.5</b>		
<b>External</b>			1.06		< 30%
Plaque	Dense Mixed				
Disease length from BIF					
<b>Vertebral</b>	Open Orthograde				
<b>Subclavian</b>	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**

Mixed, dense and calcified plaques identified in the right internal carotid artery. Acoustic shadowing in the proximal ICA obscures the vessel lumen for approx 1.0cm. Elevated velocities obtained distal to obscured section of vessel are indicative of at least 80-89% stenosis, with the colour-flow images being indicative of a 90-95% stenosis, but cannot exclude more severe stenosis in obscured section. Distal vessel was poorly visualised ?patency.

Mixed, dense and calcified plaques identified in the left internal carotid artery. Acoustic shadowing in the

Assessed by Lukasz Koprowski

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Checked by



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proximal ICA obscures the vessel lumen for approx 1.3cm. Elevated velocities obtained distal to obscured section of vessel are indicative of a 90-95% stenosis, but cannot exclude more severe stenosis in obscured section. Distal vessel appears to be patent.

SUGGEST REFERRAL FOR VASCULAR OPINION, IF APPROPRIATE.

SUGGEST REFERRAL FOR ALTERNATIVE IMAGING MODALITY, IF APPROPRIATE.