



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

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

Checked by



Patient

NHS No

D.O.B.

Patient Ref

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.

Assessed by

Lukasz Koprowski

Checked by
