



Z Wahbi

Reference

Accession CR-19-0001538

Patient **Alan McNelis**
D.O.B. **29/08/1947**

NHS No **452 140 7889**
Patient Ref **5025318**

Reason Stroke
Outcome Stenosis severe

Right	Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
Common		0.62		< 30%
Plaque	Intimal Thickening			
Disease length from BIF				
Bifurcation				80% - 89%
Plaque	Mixed			
Disease length from BIF				
Internal		1.02		< 40%
Plaque	Mixed			
Disease length from BIF		Pk ICA/Pk CCA = 1.6		
External		1.03		< 30%
Plaque	Intimal Thickening			
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		0.75		< 30%
Plaque	Intimal Thickening			
Disease length from BIF				
Bifurcation				< 40%
Plaque	Dense Mixed Calcified			
Disease length from BIF				
Internal		0.67		< 40%
Plaque	Dense Mixed Calcified			
Disease length from BIF		Pk ICA/Pk CCA = 0.9		
External		0.97		< 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**CAROTID DUPLEX**

Mixed plaques identified in the right carotid bifurcation, forming an 80-89% stenosis based on area reduction calculations, however no raised velocities noted due to smooth nature of plaques. Mixed plaques identified in the proximal right internal carotid artery, forming a less than 40% stenosis.

Mixed, dense and calcified plaques identified in the left internal carotid artery, forming a less than 40% stenosis.

Assessed by Sharifa Kiyegga

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Checked by _____

**Carotid Duplex****Z Wahbi**Examined **09/01/2019 13:48**

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Antegrade flow noted in the right and left vertebral arteries.

Suggest vascular surgical opinion if appropriate.