



Reason Pre-op
Outcome Stenosis severe, Obscured, Calcified

Right	Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
Common		0.73		< 30%
Plaque	Mixed			
Disease length from BIF				
Bifurcation				< 40%
Plaque	Dense Calcified			
Disease length from BIF				
Internal		0.80	0.17	< 30%
Plaque	Dense Calcified			
Disease length from BIF		Pk ICA/Pk CCA = 1.1		
External		0.83		< 40%
Plaque	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		0.48	0.11	< 40%
Plaque	Dense Mixed			
Disease length from BIF				
Bifurcation				< 0%
Plaque	Dense Mixed			
Disease length from BIF	but is obscured			
Internal		2.94	0.79	70% - 79%
Plaque	Dense Calcified			
Disease length from BIF	1.40cm	Pk ICA/Pk CCA = 6.1		Pk ICA/End CCA = 26.7
External		1.05		< 30%
Plaque	Mixed			
Disease length from BIF				
Vertebral	Open Orthograde			
Subclavian	Mild/Moderate Turbulence	Reduced	Monophasic	Widely Patent

Stenosis based on NASCET methods.

Disease within large diameter carotid bulb is measured using direct diameter methods as recommended in Oates et al (2009).

Notes**RIGHT:**

Dense and calcified plaques identified in the right internal carotid artery, forming a less than 30% stenosis.

LEFT:

The left carotid bifurcation was not visualised due to heavily calcified plaques.

Dense and calcified plaques identified in the left internal carotid artery, forming a 70 - 79% stenosis based on velocity criteria. Vessel is obscured for ~1.4cm. Distally the vessel appears patent.

Assessed by Ranit Shail, MCVS

Printed on 23/07/2024 at 4:15 pm

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Please note, this is a technical report to be interpreted by a medical professional. If you are a patient reading the report and require further help, please discuss the report with the person who referred you for the examination.

**Carotid Duplex****D Rose**Examined **21/06/2024 15:00**

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Reference

Accession **04753667**

Patient

Stuart Bell

NHS No

480 150 9371

D.O.B.

09/05/1964

Patient Ref

460243

ADDITIONAL COMMENT: Reduced monophasic waveform noted in the left subclavian artery, with retrograde flow noted in a collateral vessel communicating with the subclavian artery. Reduced monophasic waveforms noted in the left vertebral artery. Difference of 30mmHg noted between the left and right arm - suggestive of significant disease proximally in the left subclavian artery.

SUGGEST ALTERNATIVE IMAGING

SUGGEST URGENT VASCULAR REVIEW

Assessed by

Ranit Shail, MCVS

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