Reason	TIA clinic			4.4.4	
Outcome	Stenosis mild, disease - mild		J	6/7/21	
Right	, a a	Diameter (cm)	PSV (m/s)	EDV (m/s)	
Common			(, 5)	EDV (m/s)	Stenosi
Plaque Disease length from B	Dense Mixed IF		0.71	0.20	< 30%
Bifurcation	e e e e e e e e e e e e e e e e e e e				
Plaque Disease length from Bl	Dense Mixed Calcified				< 40%
Internal					
Plaque	Dense Mixed Calcified		1.14	0.45	50% - 59%
Disease length from BI	F 1.40cm	Pk ICA	/Pk CCA = 1.6	Pk ICA/End CCA =	5.7
Plaque Disease length from BI	Dense Mixed		0.60		< 40%
Vertebral					
	Open Orthograde	, , ,			
Subclavian	No Turbulence	Go	ood Signal Bir	hasic	Widely Patent
Left	es d	Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
Common			0.70	0.24	
Plaque Disease length from BIF	Dense Mixed		3.70	0.21	< 30%
Bifurcation					
Plaque Disease length from BIF	Dense Mixed				< 40%
Internal	*				
Plaque	Mixed		0.51	0.18	< 40%
Disease length from BIF		Pk ICA/	Pk CCA = 0.7	Pk ICA/End CCA = 2	
External				FR ICA/End CCA = 2	4
Plaque Disease length from BIF	Dense Mixed		0.78		< 30%
/ertebral	Open Orthograde		8		

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

Open Orthograde

No Turbulence

Notes

Subclavian

CAROTID ARTERY DUPLEX

RIGHT

Mixed, dense and calcified plaques identified in the internal carotid artery indicating a 50-59% stenosis based on diameter reduction, velocities and grey scale imaging. Disease extends for approximately 1.4 cm distal to the bifurcation into the internal.

LEFT

Patent endarterectomy site.

Assessed by	Rebecca Patton		, v =	1 1 1 1 1 1	- 1	
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Good Signal

Biphasic

Widely Patent

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	(8)			
	, and the second		3	
		2		

Reason	TIA clinic			1915121	
Outcome	Intimal thickening	U E V			,
Right		Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
Common Plaque Disease length fro	Intimal Thickenir m BIF	ng	0.86	0.20	< 30%
Bifurcation Plaque Disease length fro	Mixed m BIF				< 30%
Internal Plaque Disease length from	Intimal Thickenii om BIF	ng Pl	0.75 k ICA/Pk CCA = 0.9	0.36 Pk ICA/End CCA	< 30% a = 3.8
External Plaque Disease length from	Intimal Thickeni om BIF	ng	1.20		< 30%
Vertebral	Open Orthograd	e			
Subclavian	No Turbulence		Good Signal T	Triphasic W	/idely Patent
Left	* a = 0 a	Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
Common Plaque Disease length fro	Intimal Thickeni om BIF	ng	1.17	0.28	< 30%
Bifurcation Plaque Disease length fro	Intimal Thickeni	ng			< 30%
Internal Plaque Disease length fro	Intimal Thickeni	ng P	0.76 k ICA/Pk CCA = 0.6	0.30 Pk ICA/End CCA	< 30% A = 2.7
External Plaque Disease length from	Intimal Thicken	ing	0.83		< 30%
Vertebral	Open Orthograd	de			
Subclavian	No Turbulence		Good Signal	Triphasic V	Videly Patent

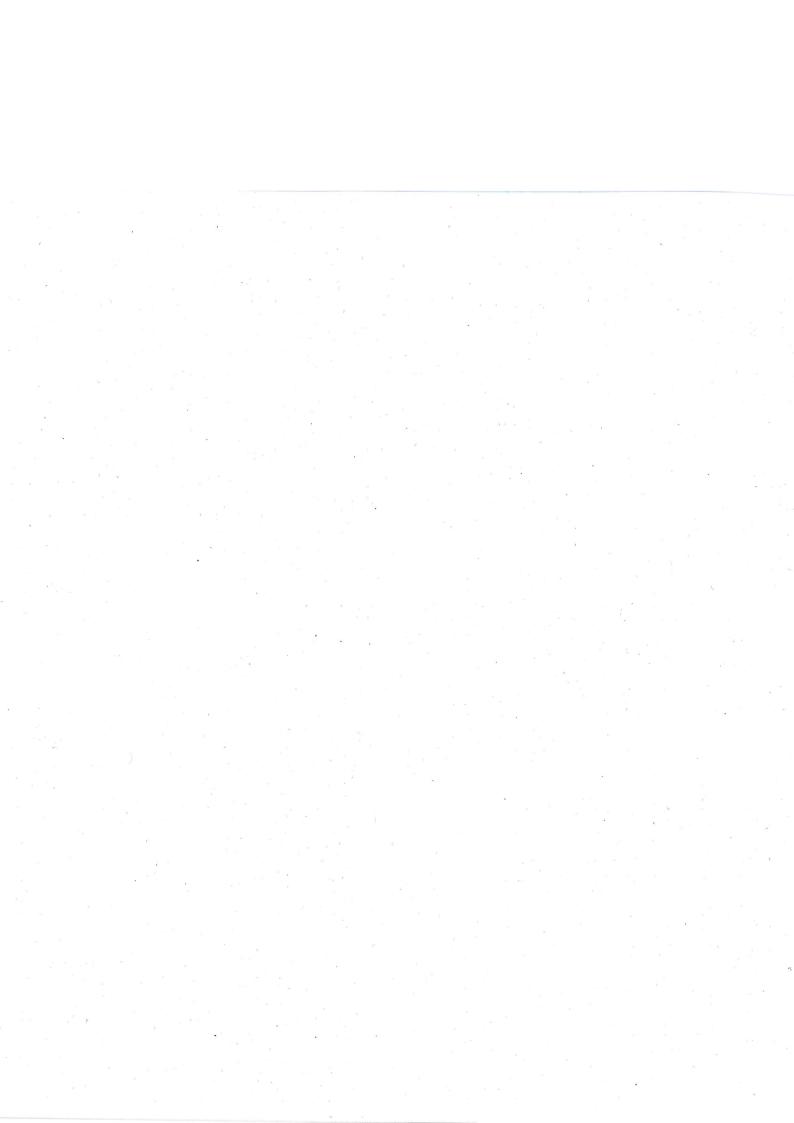
Disease within large diameter carotid bulb is measured using direct diameter methods as recommended in Oates et al (2009).

Notes

CAROTID ARTERY DUPLEX

Internal thickening identified in the internal carotid arteries bilaterally.

Assessed by	Rebecca Patton			
Printed on 04/07/2	021 at 5:11 pm	Checked by		



Reason TIA clinic Outcome Intimal thic	ckening, disease - mild	15/	6/21	
Right	Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
Common	imal Thickening	0.65	0.13	< 30%
Bifurcation Plaque Mix Disease length from BIF	ked			< 30%
Internal Plaque Mix Disease length from BIF		0.42 ICA/Pk CCA = 0.6	0.20 Pk ICA/End CCA	< 30% = 3.2
External	xed	1.02		< 30%
	en Orthograde Turbulence	Good Signal Tripha	sic Wi	dely Patent
Left Common Plaque Disease length from BIF	Diameter (cm)	PSV (m/s) 0.72	EDV (m/s) 0.14	Stenosis < 30%
Bifurcation Plaque De Disease length from BIF	ense Mixed Calcified		1	< 40%
Internal Plaque Mix Disease length from BIF	xed Pk	0.61 ICA/Pk CCA = 0.8	0.18 Pk ICA/End CCA	< 30% = 4.4
External Plaque Disease length from BIF	xed	1.28		< 30%
Vertebral Op	pen Orthograde			
Subclavian No	o Turbulence	Good Signal Bipha	sic W	idely Patent

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

Notes

CAROTID ARTERY DUPLEX

Minimal plaques identified in the internal carotid arteries indicating a less than 30% stenosis

Assessed by	Rebecca Patton				
Printed on 04/07/202	21 at 5:03 pm	 Checked by	`	141	



Outcome Stend	sis moderate, Stend	osis severe		0121	
Right		Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
Common Plaque Disease length from BIF	Dense Mixed		0.93	0.27	< 40%
Bifurcation Plaque Disease length from BIF	Dense Mixed				< 40%
Internal Plaque Disease length from BIF	Mixed Soft	Pk	2.18 ICA/Pk CCA = 2.3	0.68 Pk ICA/End (60% - 69% CCA = 8.1
External Plaque Disease length from BIF	Dense Mixed	n	1.05		< 40%
Vertebral	Open Orthograde	(* *	∞ a y		
Subclavian	No Turbulence		Good Signal Bip	hasic	Widely Patent
Left	* *	Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
Common Plaque Disease length from BIF	Dense Mixed		0.61	0.15	< 40%
Bifurcation Plaque Disease length from BIF	Dense Mixed				< 40%
Internal Plaque Disease length from BIF	Mixed Soft	Pk	4.66 ICA/Pk CCA = 7.6	2.40 Pk ICA/End 0	90% - 95% CCA = 31.1
External Plaque Disease length from BIF	Dense Mixed	· · ·	1.22		< 50%
Vertebral	Open Orthograde				
Subclavian	No Turbulence		Good Signal Bip	hasic	Widely Patent

TIA clinic

Reason

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

Notes

CAROTID ARTERY DUPLEX

RIGHT

Mixed and soft (?thrombus) plaques identified in the internal carotid artery indicating a 60-69% stenosis based on velocities and colour Doppler imaging. Disease extends for approximately 2 cm distal to the bifurcation into the internal. ICA appears patent distally.

LEFT

Mixed and soft (?thrombus) plaques identified in the internal carotid artery indicating a 90-95 % stenosis

Assessed by Rebecca Patton		
Printed on 04/07/2021 at 5:06 pm	Checked by	

based on velocities	and colour Doppler imaging. Disease extends for approximately 2.8 cm distal to the
bifurcation into the i	internal. ICA appears patent distally.
- SUGGEST REF	FERRAL FOR VASCULAR OPINION, IF APPROPRIATE.
- SUGGEST REF	FERRAL FOR ALTERNATIVE IMAGING MODALITY, IF APPROPRIATE.
* a	
, 8 a	
Assessed by	Rebecca Patton

Checked by

Printed on 04/07/2021 at 5:06 pm

Reason TIA cli Outcome Intima	nic I thickening, disease	e - mild	2	5/5/21	
Right		Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
Common Plaque Disease length from BIF	Intimal Thickening		1.20	0.28	< 30%
Bifurcation Plaque Disease length from BIF	Dense Calcified		a *		< 30%
Internal Plaque Disease length from BIF	Dense Calcified	DL	1.44 ICA/Pk CCA = 1.2	0.56 Pk ICA/End	< 30%
External Plaque Disease length from BIF	Dense Calcified		1.30	PK ICA/LIIU	< 30%
Vertebral Subclavian	Open Orthograde No Turbulence	*	Good Signal Ti	riphasic	Widely Patent
Left		Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
Common Plaque Disease length from BIF	Intimal Thickening		1.10	0.32	< 30%
Bifurcation Plaque Disease length from BIF	Dense Calcified				< 30%
Internal Plaque Disease length from BIF	Dense Calcified	Pk	1.36 c ICA/Pk CCA = 1.2	0.47 Pk ICA/End	< 30% CCA = 4.3
External Plaque Disease length from BIF	Dense Calcified		1.39		< 30%
Vertebral	Open Orthograde				
Subclavian	No Turbulence	*	Good Signal B	iphasic	Widely Patent

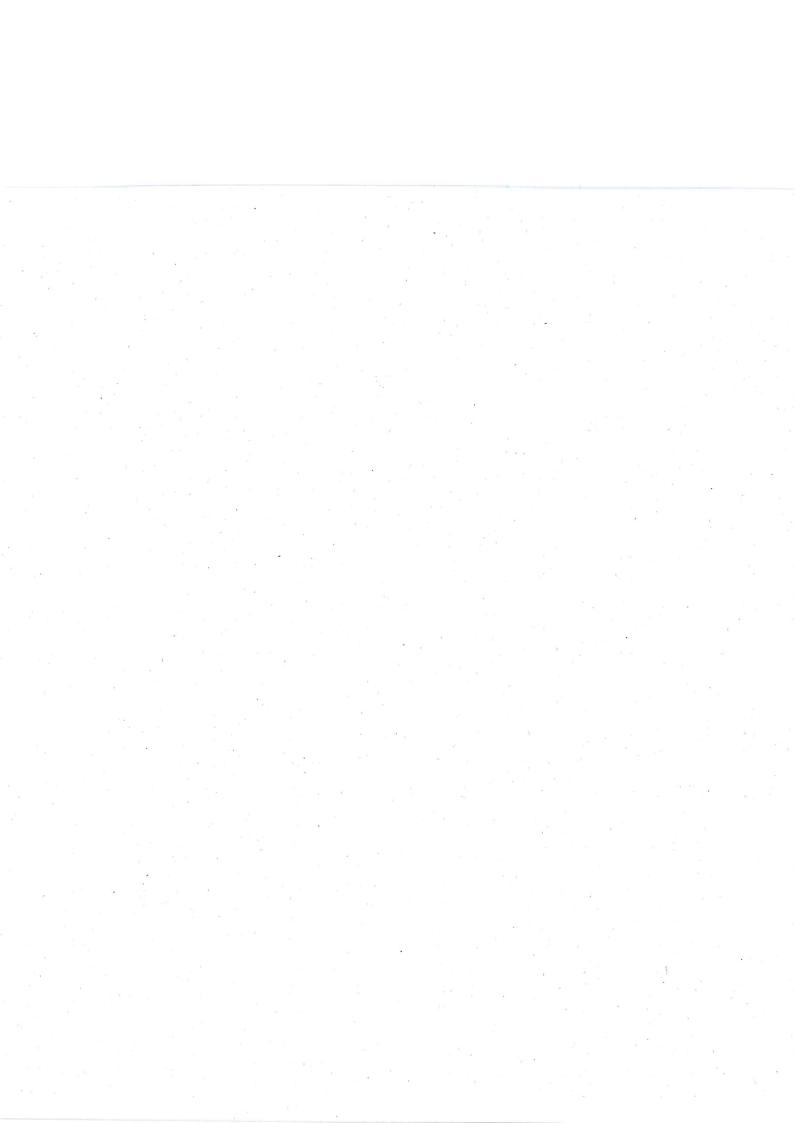
Disease within large diameter carotid bulb is measured using direct diameter methods as recommended in Oates et al (2009).

Notes

CAROTID ARTERY DUPLEX

Dense and calcified plaques identified in the internal carotid arteries indicating a less than 30 % stenosis bilaterally

Assessed by Rebecca Patton			,	
Printed on 04/07/2021 at 5:10 pm	Checked by	3 6		



Reason TIA cl	linic	,	1)/6	5/21	
Outcome Wide	ly patent, Intimal thic	kening		12	
Right		Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
Common Plaque Disease length from BIF	Normal	, and the second se	1.00	0.23	< 25%
Bifurcation Plaque Disease length from BIF	Intimal Thickening			2 20 20	< 30%
Internal Plaque Disease length from BIF	Normal	Pk ICA	0.89 /Pk CCA = 0.9	0.40 Pk ICA/End Co	< 25% CA = 3.9
External Plaque Disease length from BIF	Normal		1.15		< 25%
Vertebral	Open Orthograde	n = +			
Subclavian	No. T. C. C.	_			
Subciaviali	No Turbulence	God	od Signal Bipl	hasic	Widely Patent
Left	No Turbulence	Diameter (cm)	od Signal Bipl PSV (m/s)	EDV (m/s)	Widely Patent Stenosis
A ()	Normal				
Left Common Plaque	Normal Intimal Thickening		PSV (m/s)	EDV (m/s)	Stenosis
Left Common Plaque Disease length from BIF Bifurcation Plaque	Normal Intimal Thickening Normal	Diameter (cm)	PSV (m/s) 0.89	EDV (m/s) 0.25	Stenosis < 25% < 30% < 25%
Left Common Plaque Disease length from BIF Bifurcation Plaque Disease length from BIF Internal Plaque	Normal Intimal Thickening Normal	Diameter (cm)	PSV (m/s) 0.89	EDV (m/s) 0.25	Stenosis < 25% < 30% < 25%
Left Common Plaque Disease length from BIF Bifurcation Plaque Disease length from BIF Internal Plaque Disease length from BIF External Plaque	Normal Intimal Thickening Normal	Diameter (cm)	PSV (m/s) 0.89 1.00 /Pk CCA = 1.1	EDV (m/s) 0.25	Stenosis < 25% < 30% < 25% CA = 4.0

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

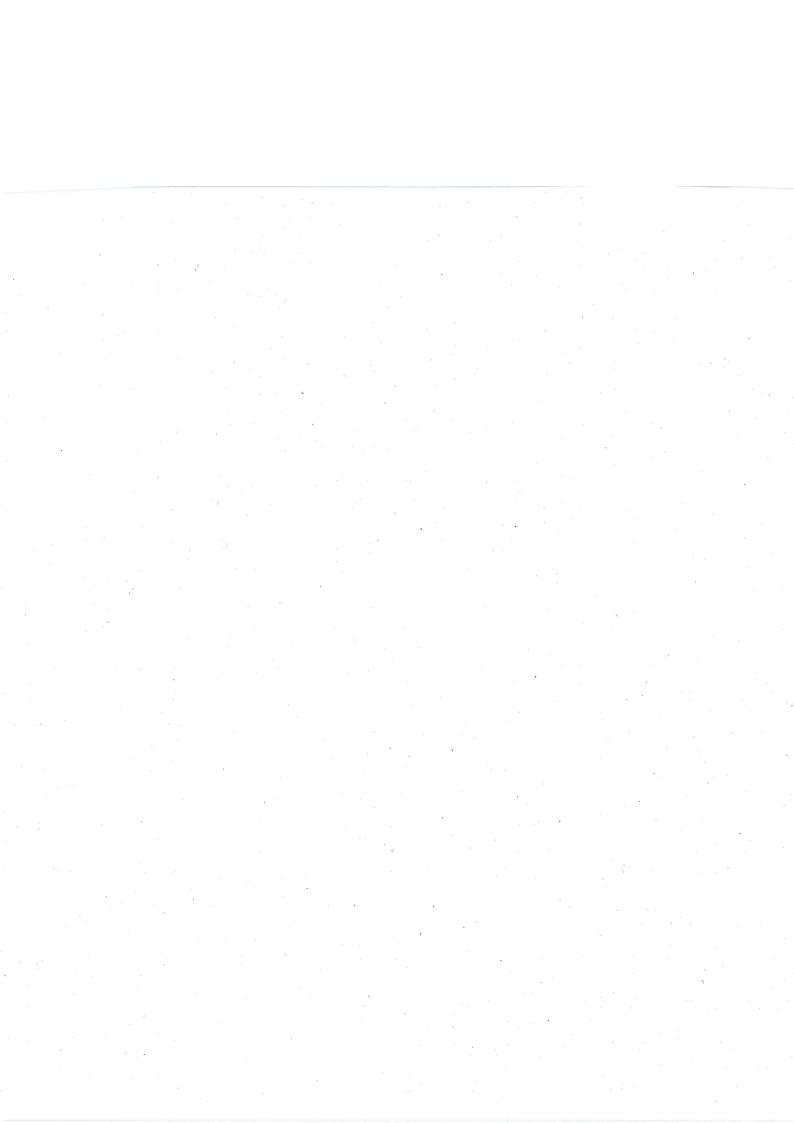
Notes

CAROTID ARTERY DUPLEX

*Irregular heart rate noted

Minimal plaques identified at the carotid bifurcations indicating a less than 30% stenosis bilaterally.

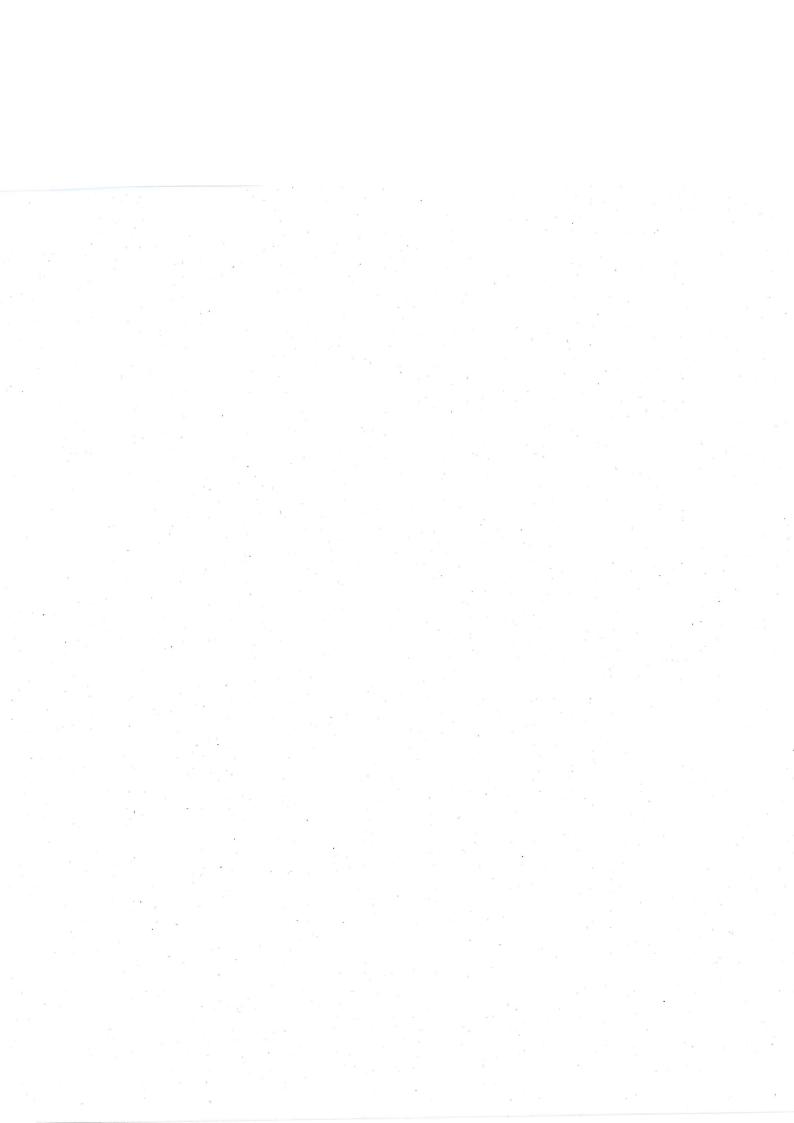
Assessed by	Rebecca Patton				
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	Pre-op		66	15121		
Outcome V	Videly patent, Intimal thi	ckening		10121	1000 1000 1000 1000 1000 1000 1000 100	
Right		Diameter (cm)	PSV (m/s	s) ED	V (m/s)	Stenosis
Common Plaque Disease length from	Intimal Thickening	, , ,	0.6	4	0.32	< 30%
Bifurcation Plaque Disease length from	Normal BIF			R 8		< 25%
Internal Plaque Disease length from	Normal		0.4	*	0.29	< 25%
External	ы	Pk	ICA/Pk CCA = 0	.7 Pk	ICA/End	CCA = 1.5
Plaque Disease length from	Normal BIF		0.53	3		< 25%
Vertebral	Open Orthograde	j.			9	
Subclavian	No Turbulence	3	Good Signal	Biphasic		Widely Patent
Left	a	Diameter (cm)	PSV (m/s)			
Common Plaque Disease length from	Normal	()	0.50		(m/s) 0.21	Stenosis < 25%
Bifurcation Plaque Disease length from	Intimal Thickening					< 30%
Internal Plaque Disease length from	Intimal Thickening		0.33		0.20	< 30%
External	DIL.	Pk	ICA/Pk CCA = 0.	7 Pk I	CA/End C	CCA = 1.6
Plaque Disease length from I	Intimal Thickening		0.53			< 30%
Vertebral	Open Orthograde					
Subclavian	No Turbulence		Good Signal	Biphasic		Widely Patent
Stenosis based on NASO Disease within large diameter	CET methods. carotid bulb is measured usi			2	al (2009).	
Notes	7 E 10					
CAROTID ARTERY D	UPLEX					

Minimal disease identified in the carotid arteries bilaterally.

Assessed by	Rebecca Patton	er g		
Printed on 04/07/20	021 at 5:14 pm	Checked by	 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	 18



	inic al thickening, disease - mi		15121	
Right		neter (cm) PSV (m/s)	EDV (m/s)	Stenosis
Common Plaque Disease length from BIF	Normal	0.85	0.28	< 25%
Bifurcation Plaque Disease length from BIF	Dense Mixed Calcified			< 30%
Internal Plaque Disease length from BIF	Dense Mixed Calcified	0.52 Pk ICA/Pk CCA = 0.6	0.23 Pk ICA/End CCA	< 30% = 1.9
External Plaque Disease length from BIF	Dense Mixed Calcified	0.65		< 30%
Vertebral	Open Orthograde			
Subclavian	No Turbulence	Good Signal Biph		idali Batisati
	no raibalence	Good Signal Dipi	nasic W	idely Patent
Left		neter (cm) PSV (m/s)	EDV (m/s)	Stenosis
Left Common Plaque Disease length from BIF	Dian Intimal Thickening			
Common Plaque	Dian Intimal Thickening Dense Mixed	neter (cm) PSV (m/s)	EDV (m/s)	Stenosis
Common Plaque Disease length from BIF Bifurcation Plaque Disease length from BIF Internal Plaque	Dian Intimal Thickening Dense Mixed Dense Mixed	neter (cm) PSV (m/s) 0.67	EDV (m/s)	Stenosis
Common Plaque Disease length from BIF Bifurcation Plaque Disease length from BIF Internal	Dian Intimal Thickening Dense Mixed Dense Mixed	neter (cm) PSV (m/s) 0.67	EDV (m/s) 0.23	Stenosis < 30% < 30% < 30%
Common Plaque Disease length from BIF Bifurcation Plaque Disease length from BIF Internal Plaque	Dian Intimal Thickening Dense Mixed Dense Mixed Dense Mixed	neter (cm) PSV (m/s) 0.67	EDV (m/s) 0.23	Stenosis < 30% < 30% < 30%
Common Plaque Disease length from BIF Bifurcation Plaque Disease length from BIF Internal Plaque Disease length from BIF External Plaque	Dian Intimal Thickening Dense Mixed Dense Mixed Dense Mixed	0.72 Pk ICA/Pk CCA = 1.1	EDV (m/s) 0.23	Stenosis < 30% < 30% < 30% = 3.1

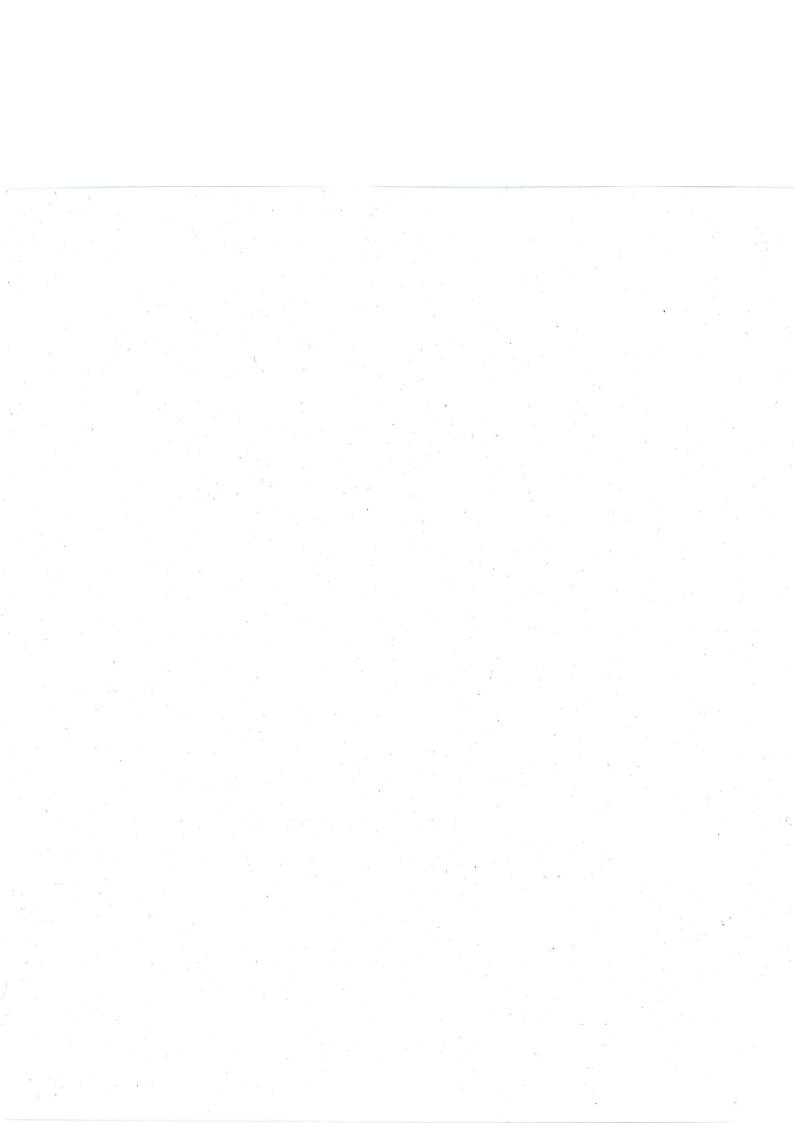
Disease within large diameter carotid bulb is measured using direct diameter methods as recommended in Oates et al (2009).

Notes

CAROTID ARTERY DUPLEX

Minimal plaques identified in the internal carotid arteries bilaterally indicating a less than 30 % stenosis bilaterally

Assessed by	Rebecca Patton		
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Reason TIA c	linic	3(014121	0 5
Outcome Intima	al thickening, disease - mild	0.	7,2	g
Right	Diameter (cn	n) PSV (m/s)	EDV (m/s)	Stenosis
Common Plaque	Intimal Thickening	0.79	0.29	< 30%
Disease length from BIF	X			
Bifurcation Plaque Disease length from BIF	Dense Mixed Calcified			< 30%
Internal Plaque	Dense Mixed	0.68	0.31	< 30%
Disease length from BIF		Pk ICA/Pk CCA = 0.9	Pk ICA/End CC	A = 2.3
External Plaque Disease length from BIF	Dense Mixed	0.78		< 30%
Vertebral	Open Orthograde	· · · · · · · · · · · · · · · · · · ·		
Subclavian	No Turbulence	Good Signal Tri	phasic	Widely Patent
Left	Diameter (cm	n) PSV (m/s)	EDV (m/s)	Stenosis
Common Plaque Disease length from BIF	Intimal Thickening	0.66	0.30	< 30%
Bifurcation Plaque Disease length from BIF	Dense Mixed			< 30%
Internal Plaque	Dense Mixed	0.51	0.21	< 30%
Disease length from BIF		Pk ICA/Pk CCA = 0.8	Pk ICA/End CC	A = 1.7
External Plaque Disease length from BIF	Dense Mixed	0.91		< 30%
Vertebral	Open Orthograde			
Subclavian	No Turbulence	Good Signal Bi	ohasic	Widely Patent

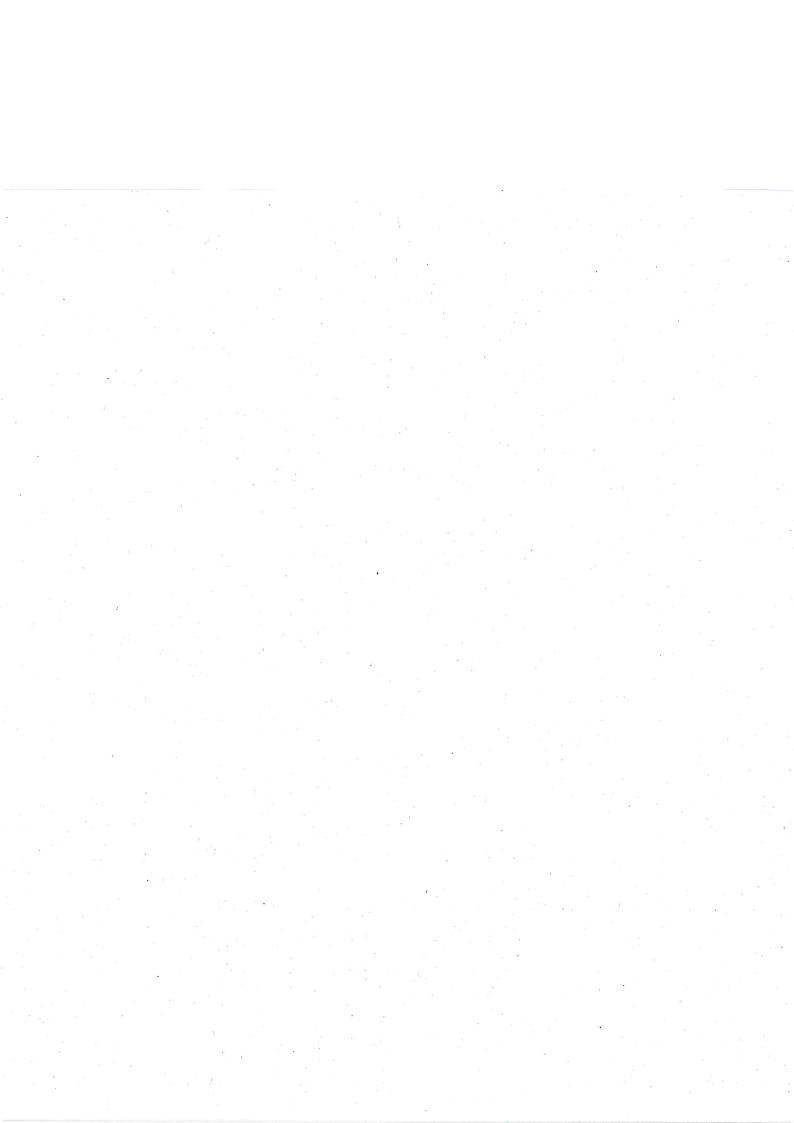
Disease within large diameter carotid bulb is measured using direct diameter methods as recommended in Oates et al (2009).

Notes

CAROTID ARTERY DUPLEX

Mixed and dense plaques identified in the internal carotid arteries bilaterally indicating a less than 30 % stenosis.

Assessed by	Rebecca Patton			
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TIA clinic

1317121

Outcome

Intimal thickening, disease - mild

Right		Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
Common Plaque	Intimal Thickening		1.08	0.18	< 30%
Disease length from BIF	indicate the control of the control	u v			
Bifurcation		· .			< 30%
Plaque	Dense Mixed				*
Disease length from BIF					
Internal			0.65	0.19	< 30%
Plaque	Dense Mixed		0.05	0.15	\ 30 /c
Disease length from BIF		Pk I	CA/Pk CCA = 0.6	Pk ICA/End CCA =	3.6
External			1.43		< 30%
Plaque	Dense Mixed		1.13		, < 50 %
Disease length from BIF					
Vertebral	Not Identified				
Subclavian	No Turbulence	**	Good Signal Trip	phasic	Widely Patent
Subclavian Left	15/	Diameter (cm)	Good Signal Trip	phasic EDV (m/s)	N
	15/		PSV (m/s)	EDV (m/s)	Stenosis
Left	15/			*	Stenosis
Left Common	No Turbulence		PSV (m/s)	EDV (m/s)	Stenosis
Left Common Plaque	No Turbulence		PSV (m/s)	EDV (m/s)	Stenosis
Left Common Plaque Disease length from BIF Bifurcation	No Turbulence Dense Mixed		PSV (m/s)	EDV (m/s)	Stenosis
Left Common Plaque Disease length from BIF	No Turbulence		PSV (m/s)	EDV (m/s)	Stenosis
Left Common Plaque Disease length from BIF Bifurcation Plaque Disease length from BIF	No Turbulence Dense Mixed		PSV (m/s) 0.85	EDV (m/s) 0.13	Stenosis
Left Common Plaque Disease length from BIF Bifurcation Plaque Disease length from BIF	No Turbulence Dense Mixed Dense Mixed Calcified		PSV (m/s)	EDV (m/s)	Stenosis < 30% < 30%
Left Common Plaque Disease length from BIF Bifurcation Plaque Disease length from BIF Internal Plaque	No Turbulence Dense Mixed	Diameter (cm)	PSV (m/s) 0.85	EDV (m/s) 0.13	Stenosis < 30% < 30% < 30%
Left Common Plaque Disease length from BIF Bifurcation Plaque Disease length from BIF	No Turbulence Dense Mixed Dense Mixed Calcified	Diameter (cm)	PSV (m/s) 0.85	EDV (m/s) 0.13	Stenosis < 30% < 30% < 30%
Left Common Plaque Disease length from BIF Bifurcation Plaque Disease length from BIF Internal Plaque	No Turbulence Dense Mixed Dense Mixed Calcified	Diameter (cm)	PSV (m/s) 0.85	EDV (m/s) 0.13	Stenosis < 30% < 30% < 30%
Left Common Plaque Disease length from BIF Bifurcation Plaque Disease length from BIF Internal Plaque Disease length from BIF External Plaque	No Turbulence Dense Mixed Dense Mixed Calcified	Diameter (cm)	PSV (m/s) 0.85 0.79 CA/Pk CCA = 0.9	EDV (m/s) 0.13	Stenosis < 30% < 30% < 30% 6.1
Left Common Plaque Disease length from BIF Bifurcation Plaque Disease length from BIF Internal Plaque Disease length from BIF External	No Turbulence Dense Mixed Dense Mixed Calcified Dense Mixed Calcified	Diameter (cm)	PSV (m/s) 0.85 0.79 CA/Pk CCA = 0.9	EDV (m/s) 0.13	Stenosis < 30% < 30% < 30% 6.1
Left Common Plaque Disease length from BIF Bifurcation Plaque Disease length from BIF Internal Plaque Disease length from BIF External Plaque	No Turbulence Dense Mixed Dense Mixed Calcified Dense Mixed Calcified	Diameter (cm)	PSV (m/s) 0.85 0.79 CA/Pk CCA = 0.9	EDV (m/s) 0.13	Stenosis < 30% < 30% < 30% 6.1

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

CAROTID ARTERY DUPLEX

RIGHT

Mixed and dense plaques identified in the internal carotid artery indicating a less than 30 % stenosis

Mixed, calcified and dense plaques identified in the internal carotid artery indicating a less than 30 % stenosis

Assessed by	Rebecca Patton					5
Printed on 15/07/2021	at 8:51 am	9	Checked by	8 1 7 g	4.	3

Reason TIA cli	nic	2	71/12	
	sis mild, Obscured, Calcified, dise		216121	
	Sis Tillia, Obscarca, Galonica, also	ase mild	ē	s 5 8
Right	Diameter (cm	PSV (m/s)	EDV (m/s)	Stenosis
Common Plaque Disease length from BIF	Dense Mixed	0.83	0.17	< 30%
Bifurcation Plaque Disease length from BIF	Dense Mixed Calcified			50% - 59%
Internal Plaque	Dense Mixed Calcified	0.66	0.22	50% - 59%
Disease length from BIF		Pk ICA/Pk CCA = 0.8	Pk ICA/End (CCA = 3.9
External Plaque Disease length from BIF	Dense Mixed Calcified	1.00		< 30%
Vertebral	Open Orthograde			
Subclavian	No Turbulence	Good Signal Bip	ohasic	Widely Patent
Left	Diameter (cm	PSV (m/s)	EDV (m/s)	Stenosis
Common Plaque Disease length from BIF	Dense Mixed	0.90	0.17	< 30%
Bifurcation Plaque Disease length from BIF	Dense Mixed Calcified	Di .		< 40%
Internal Plaque	Dense Mixed Calcified	0.43 Pk ICA/Pk CCA = 0.5	0.11 Pk ICA/End	< 40%
Disease length from BIF External Plaque Disease length from BIF	Dense Mixed	0.90	r R 10A/ Lilu	< 40%
Vertebral	Open Orthograde			
Subclavian	No Turbulence	Good Signal Bi	phasic	Widely Patent

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

Notes

CAROTID DUPLEX SCAN

Irregular heart rate noted

RIGHT: The carotid bifurcation and proximal internal carotid artery (ICA) were partially obscured by acoustic shadowing. Where seen, mixed dense and calcified plaques identified in the carotid bifurcation, forming a 50-59% stenosis based on grey scale images and colour filling. Plaques extend into the very origin of the ICA, forming a 50-59% stenosis based on grey scale images and colour filling (no significant raise in velocities identified). Distal ICA is patent.

Assessed by	Rebecca Patton	* *	# # # # # # # # # # # # # # # # # # #	A	T v		•
Printed on 04/07/202	21 at 4:59 pm	a' ".	Checked by	1 I		 -,	

LEFT: Mixe	ed dense and calcit	fied plaques ident	ified in the ICA for	orming a less	than 40% ste	nosis
		ģ. v		oming a loss	11/21/40/0 316	110313.
Results app	pear similar to prev	/ious assessment	(2019).	7		
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			*		**************************************	
		x X				e
		**				

Reason Pre- Outcome Intin	-op nal thickening, disease	- mild	14	17121	
Right		Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
Common Plaque Disease length from BIF	Intimal Thickening		1.00	0.28	< 30%
Bifurcation Plaque Disease length from BIF	Dense Mixed				< 40%
Internal Plaque Disease length from BIF	Mixed		0.79	0.29	40% - 49%
External Plaque Disease length from BIF	Mixed	Pk	ICA/Pk CCA = 0.8 1.87	Pk ICA/End CCA	= 2.8 < 40%
Vertebral Subclavian	Open Orthograde No Turbulence	**************************************	Good Signal Bi	phasic	Widely Patent
Left Common Plaque	Intimal Thickening	Diameter (cm)	PSV (m/s) 0.78	EDV (m/s) 0.20	Stenosis
Disease length from BIF Bifurcation Plaque Disease length from BIF	Dense Mixed				< 40%
nternal Plaque Disease length from BIF	Mixed	DL.	0.54 ICA/Pk CCA = 0.7	0.23	< 40%
external Plaque Disease length from BIF	Mixed	PK.	0.98	Pk ICA/End CCA :	< 40%

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

Notes

Vertebral

Subclavian

CAROTID ARTERY DUPLEX

RIGHT

Mixed plaques identified in the internal carotid artery indicating a 40-49 % stenosis.

Open Orthograde

No Turbulence

LEFT

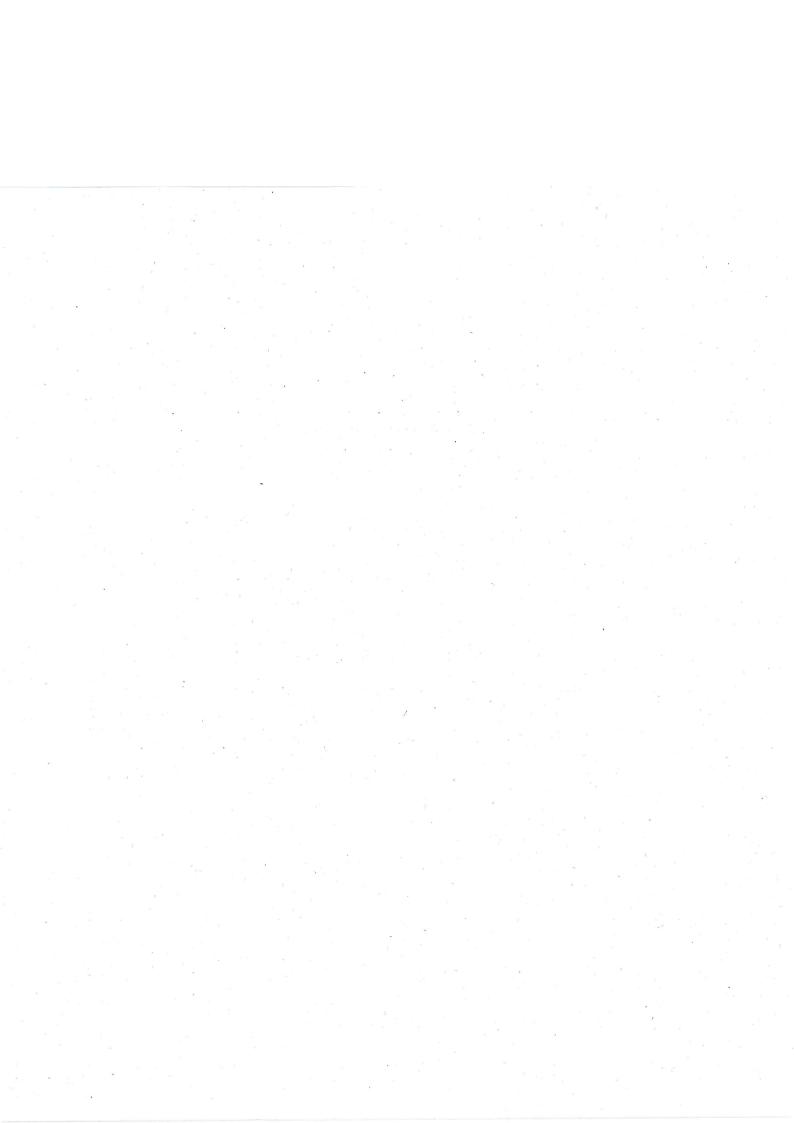
Mixed plaques identified in the internal carotid artery indicating a less than 40 % stenosis.

Assessed by R	Rebecca Patton			ş	
Printed on 15/07/2021 at	8:55 am	Checked by	_	* n	

Good Signal

Triphasic

Widely Patent



Reason Outcome	TIA clinic disease - mild		211	6121	
Right		Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
Common Plaque Disease length fr	Normal om BIF		0.65	0.14	< 25%
Bifurcation Plaque Disease length fr	Dense Mixed				< 30%
Internal Plaque Disease length fr	Dense Mixed	Pk I	0.52 CA/Pk CCA = 0.8	0.21 Pk ICA/End CC/	< 30% A = 3.7
External Plaque Disease length fr	Normal		0.90		< 25%
Vertebral Subclavian	Open Orthograd No Turbulence		Good Signal Triph	nasic V	Videly Patent
Left		Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
Common Plaque Disease length fi	Normal om BIF		0.76	0.23	< 25%
Bifurcation Plaque Disease length for	Dense Mixed				< 30%
Internal Plaque Disease length f	Dense Mixed	Pk I	0.55 CA/Pk CCA = 0.7	0.13 Pk ICA/End CC	< 30% A = 2.4
External Plaque Disease length f	Normal rom BIF		0.63		< 25%
Vertebral	Open Orthograd	le			20 ,
Subclavian	No Turbulence		Good Signal Trip	hasic	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

CAROTID ARTERY DUPLEX

Mixed and dense plaques identified in the internal carotid arteries indicating a less that 30 % stenosis bilaterally

Assessed by	Rebecca Patton	3 ac		8 - "	
Printed on 04/07/2	2021 at 4:58 pm	Chec	ked by		



Reason TIA cli Outcome Calcifi	inic ied, disease - mild	291	6121	
Right	Diameter (ci	m) PSV (m/s)	EDV (m/s)	Stenosis
Common Plaque Disease length from BIF	Dense Mixed	0.97	0.21	< 30%
Bifurcation Plaque Disease length from BIF	Dense Mixed Calcified			< 40%
Internal Plaque Disease length from BIF	Dense Mixed Calcified	0.72 Pk ICA/Pk CCA = 0.7	0.21 Pk ICA/End CC	< 30%
External Plaque Disease length from BIF	Dense Mixed	1.27	PR ICA/Ellu CC	< 30%
Vertebral	Open Orthograde	*		
Subclavian	No Turbulence	Slightly Reduced B	Biphasic \	Widely Patent
Left	Diameter (cr	m) PSV (m/s)	EDV (m/s)	Stenosis
Common Plaque Disease length from BIF	Dense Mixed	0.89	0.29	< 30%
Bifurcation Plaque Disease length from BIF	Dense Mixed Calcified			< 40%
Internal Plaque Disease length from BIF	Dense Mixed Calcified	0.80 Pk ICA/Pk CCA = 0.9	0.29 Pk ICA/End CC	< 30%
External Plaque Disease length from BIF	Dense Mixed	1.21	PR ICA/ Ellu CC	< 30%
Vertebral	Open Orthograde			
Subclavian	No Turbulence	Good Signal B	Biphasic \	Widely Patent

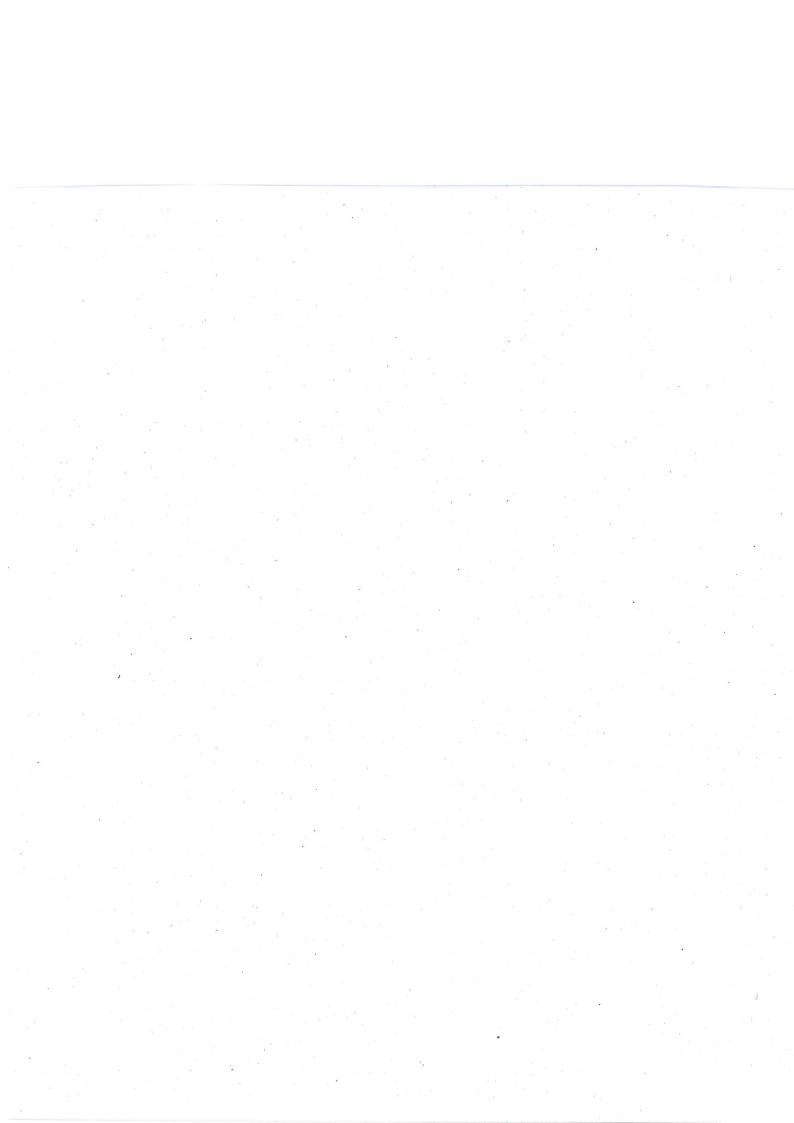
Disease within large diameter carotid bulb is measured using direct diameter methods as recommended in Oates et al (2009).

Notes

CAROTID ARTERY DUPLEX

Mixed, dense and calcified plaques identified in the internal carotid arteries indicating a less than 30% stenosis bilaterally.

Assessed by	Rebecca Patton	* · · · · · · · · · · · · · · · · · · ·	*6 7 " 6		**************************************	
Printed on 04/07/2	021 at 4:55 pm	Checked by	<u> </u>	11		



Reason F	Routine		2115	121	
Outcome	Calcified, Intimal thicker	ning, disease - mild		•	
Right		Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosi
Common Plaque Disease length fror	Intimal Thickenin	ng	0.68	0.19	< 30%
Bifurcation Plaque Disease length fror	Dense Calcified				< 40°
I nternal Plaque Disease length fror	Dense Calcified	Pk TC	0.76 A/Pk CCA = 1.1	0.26 Pk ICA/End CO	< 400
External Plaque Disease length fron	Intimal Thickenin		1.61	PR ICA/ Ellu CC	< 30°
/ertebral	Open Orthograde	е		· · · · · · · · · · · · · · · · · · ·	
Subclavian	No Turbulence	G	ood Signal Bip	hasic	Widely Paten
_eft		Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenos
Common Plaque Disease length fron	Intimal Thickenin	ng	0.62	0.18	< 309
Bifurcation Plaque Disease length fron	Dense Calcified				< 30°
nternal Plaque Disease length fron	Dense Calcified	Pk IC	0.71 A/Pk CCA = 1.1	0.27 Pk ICA/End CO	< 30%
external Plaque Disease length from	Intimal Thickenir n BIF		1.08	, , , , , , , , , , , , , , , , , , ,	< 30%
/ertebral	Open Orthograde	3		T .	
Subclavian	No Turbulence	G	ood Signal Bip	hasic	Widely Paten
Stenosis based on NA Disease within large diame	SCET methods. ter carotid bulb is measured	using direct diameter meth	ods as recommended i	n Oates et al (2009).	
lotes				, n,	
CAROTID ARTERY	DUPLEX				
RIGHT Dense and calcified	plaques identified in	the internal carotid	artery indicating	a less than 40 % s	tenosis
EFT Dense and calcified	plaques identified in	the internal carotid	artery indicating	a less than 30 % s	tenosis



Reason TIA cli	nic	1915121					
Outcome diseas	se - mild	, , , , , , , , , , , , , , , , , , ,	*	×	a" g		
Right		iameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis		
Common Plaque	Normal	· · · · · · · · · · · · · · · · · · ·	1.22	0.25	< 25%		
Disease length from BIF Bifurcation					< 30%		
Plaque Disease length from BIF	Dense Mixed						
Internal Plaque	Dense Mixed Calcific	ed	0.73	0.28	< 40%		
Disease length from BIF External		Pk I	CA/Pk CCA = 0.6 1.78	Pk ICA/End	< 30%		
Plaque Disease length from BIF	Dense Mixed						
Vertebral	Open Orthograde		Card Cianal	Triphasic	Widely Patent		
Subclavian	No Turbulence		Good Signal	Пірпаѕіс	- Widely Facelle		
Left	·	Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis		
Common Plaque Disease length from BIF	Normal		1.08	0.26	< 25%		
Bifurcation Plaque	Dense Mixed	a 9 11 11 11 11 11 11 11 11 11 11 11 11 1			< 30%		
Disease length from BII Internal			0.82	0.32	< 30%		
Plaque Disease length from BII	Dense Mixed	Pk :	ICA/Pk CCA = 0.8	Pk ICA/End	CCA = 3.2		
External Plaque Disease length from BI	Dense Mixed		1.07		< 30%		
Vertebral	Open Orthograde						
Subclavian	No Turbulence		Good Signal	Triphasic	Widely Patent		

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

Notes

CAROTID ARTERY DUPLEX

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

LEFT

Mixed, dense plaques identified in the internal carotid artery indicating a less than 30 % stenosis

Rebecca Patton Assessed by Checked by Printed on 04/07/2021 at 5:12 pm



Reason	TIA clinic		161	6121	
Outcome	Calcified, disease - mild	4	e e		
Right		Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
Common Plaque Disease lengt	Intimal Thickening h from BIF		0.93	0.19	< 30%
Bifurcation Plaque Disease lengt	Dense Mixed Calcif h from BIF	ied			< 30%
Internal Plaque	Dense Mixed Calcif		0.88	0.22	< 30%
Disease lengt	h from BIF	Pk ICA	/Pk CCA = 0.9	Pk ICA/End CCA	= 4.6
External Plaque Disease lengt	Dense Mixed Calcif h from BIF	ied	1.22		< 30%
Vertebral	Open Orthograde			W.	
Subclavian	No Turbulence	Go	od Signal Trip	hasic W	idely Patent
Left		Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
Common Plaque Disease lengt	Intimal Thickening h from BIF		0.91	0.22	< 30%
Bifurcation Plaque Disease lengt	Dense Mixed Calcif h from BIF	ied			< 30%
Internal Plaque	Dense Mixed Calcif		0.97	0.25	< 30%
Disease lengt	n from BIF	PK ICA	/Pk CCA = 1.1	Pk ICA/End CCA	= 4.4
External Plaque Disease lengt	Dense Mixed Calcif h from BIF	ied	1.16		< 30%
Vertebral	Open Orthograde				

No Turbulence

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

Notes

Subclavian

CAROTID ARTERY DUPLEX

Mixed, dense and calcified plaques identified in the internal carotid arteries indicating a less than 30 % stenosis bilaterally.

Good Signal

Triphasic

Widely Patent

Assessed by	Rebecca Patton		
Printed on 04/07	/2021 at 5:02 pm	Checked by	*
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Reason TIA cli	nic		0	6107121	
Outcome Steno	sis mild, Obscured, Calcified		1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	- T	9 9
Right	Diame	eter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
Common			1.18	0.36	40% - 49%
Plaque	Mixed				
Disease length from BIF					
Bifurcation					< 50%
Plaque	Dense Mixed Calcified				
Disease length from BIF		2			
Internal			1.07	0.37	< 50%
Plaque	Dense Mixed Calcified	•	1.07		,, ===
Disease length from BIF	0.50cm but is obscured	Pk ICA/Pk	CCA = 0.9	Pk ICA/End CCA =	3.0
External			1.88		< 50%
Plaque	Dense Mixed Calcified		2.00	· ·	
Disease length from BIF					
Vertebral	Open Orthograde				
Subclavian	No Turbulence	Good	Signal Triph	nasic	Widely Patent
Left	Diamo	eter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
Common		5 10	0.96	0.26	< 40%
Plaque	Dense Mixed Calcified	* * * * * * * * * * * * * * * * * * * *			
Disease length from BIF			300		
Bifurcation				(40	50% - 59%
Plaque	Dense Mixed Calcified				
Disease length from BIF					* 5
Internal			1.32	0.38	50% - 59%
Plaque	Dense Mixed Calcified			· .	

Pk ICA/Pk CCA = 1.4

Good Signal

3.37

Biphasic

Pk ICA/End CCA = 5.1

70% - 79%

Widely Patent

Stenosis based on NASCET methods.

Disease length from BIF

Disease length from BIF

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

1.00cm but is obscured

Dense Mixed Calcified

Open Orthograde

No Turbulence

Notes

Plaque

Vertebral

Subclavian

CAROTID ARTERY DUPLEX

RIGHT

Mixed, dense and calcified plaques identified in the internal carotid with acoustic shadowing obscuring the origin of the vessel for ~ 0.5 cm. However no raised velocities identified distal to this region indicating a less than 50% stenosis.

LEFT

Acoustic shadowing in the bifurcation/internal carotid artery obscures the vessel lumen for approx 1cm.

Assessed by	Rebecca Patton		
Printed on 06/07/2021	at 12:57 pm	Checked by	

Elevated velocities obtained distal to obscured section of	vessel are indicative of a 50-59 % stenosis, but
cannot exclude more severe stenosis in obscured section	
- SUGGEST REFERRAL FOR VASCULAR OPINION, I	F APPROPRIATE.
- SUGGEST REFERRAL FOR ALTERNATIVE IMAGIN	G MODALITY, IF APPROPRIATE.
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and the second s	
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. 1	
Assessed by Rebecca Patton	
Printed on 06/07/2021 at 12:57 pm	Checked by

Reason TIA o	linic	w - W	7	16121	
Outcome disea	se - mild		<i>C</i> ,	11012	
Right	2	Diameter (cm)	PSV (m/s) EDV (m/s)	Stenosis
Common Plaque Disease length from BIF	Mixed		1.2	7 0.35	< 30%
Bifurcation Plaque Disease length from BIF	Mixed				< 30%
Internal Plaque Disease length from BIF	Mixed	DI	0.83 x ICA/Pk CCA = 0		< 30%
External Plaque Disease length from BIF	Mixed	:	0.83		< 30%
Vertebral	Open Orthograde				
Subclavian	No Turbulence		Good Signal	Triphasic	Widely Patent
Left		Diameter (cm)	PSV (m/s) EDV (m/s)	Stenosis
Common Plaque Disease length from BIF	Mixed		1.18	3	< 30%
Bifurcation Plaque Disease length from BIF	Mixed				< 30%
Internal Plaque Disease length from BIF	Mixed	Pk	0.89 ICA/Pk CCA = 0.		< 30%
External Plaque Disease length from BIF	Mixed		1.07		< 30%
Vertebral	Open Orthograde				
Subclavian	No Turbulence		Good Signal	Triphasic	Widely Patent

Notes

CAROTID DUPLEX ASSESSMENT **Irregular heart rate noted**

Mixed plaques identified in the right and left internal carotid arteries, forming a less than 30% stenosis bilaterally.

Assessed by	Vikki Galgerud				
Printed on 04/07/20	21 at 4:37 pm	Checked by	: 4		
		-			-



Reason TIA o	clinic		.2	016171	
Outcome disea	ase - mild			00/6/21	3 0 8
Right	*	Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
Common Plaque Disease length from BII	Intimal Thickening		0.62	0.24	< 30%
Bifurcation Plaque Disease length from BII	Dense Mixed				< 30%
Internal Plaque	Dense Mixed		0.60	0.29	< 30%
Disease length from BII External Plaque Disease length from BII	Dense Mixed	Pk I	CA/Pk CCA = 1.0 1.40	Pk ICA/End C	CCA = 2.5 < 30%
Vertebral	Open Orthograde				
Subclavian	No Turbulence		Good Signal Trip	hasic	Widely Patent
Left		Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
Common Plaque Disease length from BIF	Intimal Thickening		1.04	0.35	< 30%
Bifurcation Plaque Disease length from BIF	Dense Mixed				< 30%
Internal Plaque Disease length from BIF	Dense Mixed	Pk I	0.56 CA/Pk CCA = 0.5	0.19 Pk ICA/End C	< 30% CA = 1.6
External Plaque Disease length from BIF	Dense Mixed		1.10	,	< 30%
Vertebral					
vertebrai	Not Identified				

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

CAROTD ARTERY DUPLEX

Mixed and dense plaques identified in the internal carotid arteries indicating a less than 30 % stenosis bilaterally.

Assessed by	Rebecca Patton			51
Printed on 04/07/2	2021 at 4:53 pm	Checked by	2 E	



Reason	TIA clir	nic		3	15/6/21	
Outcome	disease	e - mild	200	*	13/6/21	
District						
Right		Diame	eter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
Common Plaque Disease length		Dense Mixed Calcified		0.56		< 40%
Bifurcation Plaque Disease length		Dense Mixed Calcified				< 50%
Internal Plaque Disease lengi		Dense Mixed Calcified	Pk ICA	0.70 /Pk CCA = 1.3		< 50%
External Plaque Disease lengt		Dense Mixed Calcified	•	0.64		< 50%
Vertebral		Open Orthograde	*			
Subclavian	I	No Turbulence	Go	od Signal Bip	hasic	Widely Patent
Left	ti .	Diame	ter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
Common Plaque Disease lengt		Dense Mixed	r	0.67		< 40%
Bifurcation Plaque Disease lengt		Dense Mixed Calcified				< 40%
Internal Plaque Disease lengt		Dense Mixed Calcified 0.29cm but is obscured	Pk ICA	0.64 /Pk CCA = 1.0		< 40%
External Plaque Disease lengt		Dense Mixed Calcified		0.82		< 40%
Vertebral	, , , , , , , , , , , , , , , , , , ,	Open Orthograde				
Subclavian	- I	No Turbulence	God	od Signal Bip	hasic	Widely Patent
Stenosis based of Disease within large		methods. tid bulb is measured using direc	ct diameter metho	ds as recommended i	n Oates et al (2009).	1
Notes						
CAROTID DUI	PLEX ASSI	ESSMENT				
RIGHT Mixed, dense a	and calcifie	d plaques identified in t	the internal c	arotid artery, for	ming a less thar	50% stenosis
LEFT Mixed, dense a	and calcifie	d plaques identified in t	the internal c	arotid artery, for	ming a less than	40% stenosis

Checked by

Vikki Galgerud

Assessed by

Printed on 04/07/2021 at 5:04 pm

Reason

TIA clinic

Outcome

Intimal thickening, disease - mild

14/7/21

Right	2 2	Diameter (cm)	PSV (m/s)	EDV (m/s)	Stenosis
Common			0.76	0.10	
Plaque	Intimal Thickening		0.76	0.18	< 30%
Disease length from BIF	* * * * * * * * * * * * * * * * * * *				
Bifurcation					
Plaque	Dense Mixed				< 30%
Disease length from BIF					
Internal			0.50	0.00	
Plaque	Dense Mixed		0.58	0.22	< 30%
Disease length from BIF	Delibe Tilked	Pk I	CA/Pk CCA = 0.8	Pk ICA/End CCA = 3.	,
External	# # # # # # # # # # # # # # # # # # #			. K 10A) Ella CCA = 3.	
Plaque	Dense Mixed		1.04		< 30%
Disease length from BIF	Delibe Hilked				
Vertebral	Open Orthograde				
Subclavian	No Turbulence	8 a		*	
	No Turbulence		Good Signal Bip	phasic	Widely Patent
1	No Turbulence				
Left	No Turbulence	Diameter (cm)	PSV (m/s)	EDV (m/s)	-
Left					-
Left Common Plaque	Intimal Thickening		PSV (m/s)	EDV (m/s)	Stenosis
Left			PSV (m/s)	EDV (m/s)	Stenosis
Left Common Plaque Disease length from BIF Bifurcation			PSV (m/s)	EDV (m/s)	Stenosis
Left Common Plaque Disease length from BIF Bifurcation Plaque			PSV (m/s)	EDV (m/s)	Stenosis
Left Common Plaque Disease length from BIF Bifurcation	Intimal Thickening		PSV (m/s)	EDV (m/s)	Stenosis
Left Common Plaque Disease length from BIF Bifurcation Plaque	Intimal Thickening		PSV (m/s) 0.88	EDV (m/s) 0.23	Stenosis < 30%
Left Common Plaque Disease length from BIF Bifurcation Plaque Disease length from BIF	Intimal Thickening		PSV (m/s)	EDV (m/s)	Stenosis
Left Common Plaque Disease length from BIF Bifurcation Plaque Disease length from BIF	Intimal Thickening Dense Mixed Calcified	Diameter (cm)	PSV (m/s) 0.88	EDV (m/s) 0.23	Stenosis < 30% < 40% < 30%
Left Common Plaque Disease length from BIF Bifurcation Plaque Disease length from BIF Internal Plaque	Intimal Thickening Dense Mixed Calcified	Diameter (cm)	PSV (m/s) 0.88 0.85 CA/Pk CCA = 1.0	EDV (m/s) 0.23	Stenosis < 30% < 40% < 30%
Left Common Plaque Disease length from BIF Bifurcation Plaque Disease length from BIF Internal Plaque Disease length from BIF	Intimal Thickening Dense Mixed Calcified	Diameter (cm)	PSV (m/s) 0.88	EDV (m/s) 0.23	Stenosis < 30% < 40% < 30%
Left Common Plaque Disease length from BIF Bifurcation Plaque Disease length from BIF Internal Plaque Disease length from BIF External	Intimal Thickening Dense Mixed Calcified Dense Mixed Calcified	Diameter (cm)	PSV (m/s) 0.88 0.85 CA/Pk CCA = 1.0	EDV (m/s) 0.23	Stenosis < 30% < 40% < 30%
Left Common Plaque Disease length from BIF Bifurcation Plaque Disease length from BIF Internal Plaque Disease length from BIF External Plaque	Intimal Thickening Dense Mixed Calcified Dense Mixed Calcified	Diameter (cm)	PSV (m/s) 0.88 0.85 CA/Pk CCA = 1.0	EDV (m/s) 0.23	Stenosis < 30% < 40% < 30%

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

CAROTID ARTERY DUPLEX

Mixed, dense and calcified plaques identified in the internal carotid arteries indicating a less than 30 % stenosis bilaterally.

Assessed by	Rebecca Patton			
Printed on 15/07/2021	at 8:53 am	Checked by	 · .	



Common Plaque		meter (cm)	PSV (m/s	EDV (n	n/s)	Stenosi
Disease length from BI	Intimal Thickening F	ft ,	0.67	7 (0.11	< 30%
Bifurcation Plaque Disease length from BII	Dense Mixed Calcified				•	< 40%
internal Plaque Disease length from BIF	Dense Mixed Calcified		1.08).21 4 ()% - 49%
external		Pk IC	A/Pk CCA = 1.	6 Pk ICA	/End CCA =	9.8
Plaque Disease length from BIF	Dense Mixed		1.60	9 , 4		< 40%
ertebral	Open Orthograde					
ubclavian	No Turbulence	G	od Signal	Biphasic		ely Patent
ommon Plaque Disease length from BIF	Intimal Thickening	neter (cm)	PSV (m/s) 0.89	(,	/s) .13	Stenosis
furcation Plaque	Dense Mixed			e		< 40%
Disease length from BIF sternal Plaque Disease length from BIF	Dense Mixed Calcified	Ph TCA	1.06 /Pk CCA = 1.2		27	< 40%
ternal Plaque Disease length from BIF	Dense Mixed		0.99	PK ICA/	End CCA =	< 40%
rtebral	Open Orthograde					0 8 .
halas ta	No Turbulence	Goo	d Signal	5. L		
enosis based on NASCET	methods			3iphasic ———————		y Patent
sase will list the hismeter core	otid bulb is measured using dire	ct diameter method	ls as recommende	ed in Oates et al (20	no)	

Reason

TIA clinic

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

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

Assessed by	Rebecca Patton			 ٠,
Printed on 04/07/	2021 at 5:13 pm	Checked by	No.	* »



Reason TIA o	dinic		7115171	,
Outcome Calci	fied, Intimal thickening, disease	- mild	21/5/21	
Right	Diameter	(cm) PSV (m/s)	EDV (m/s)	Stenosi
Common Plaque Disease length from BIF	Intimal Thickening	1.50		< 30%
Bifurcation Plaque Disease length from BIF	Dense Mixed Calcified			< 40%
Internal Plaque Disease length from BIF	Dense Mixed Calcified	0.61	0.20	< 40%
External Plaque Disease length from BIF	Dense Mixed Calcified	Pk ICA/Pk CCA = 0.4 1.06	4 Pk ICA/End	I CCA = 2.4 < 40%
Vertebral	Open Orthograde			
Subclavian	No Turbulence	Good Signal	Biphasic	Widely Patent
Left	Diameter ((cm) PSV (m/s)	EDV (m/s)	Stenosis
Common Plaque Disease length from BIF	Dense Mixed	1.31	0.13	< 30%
Bifurcation Plaque Disease length from BIF	Dense Mixed Calcified			< 50%
Internal Plaque Disease length from BIF	Dense Mixed Calcified	0.79 Pk ICA/Pk CCA = 0.6	0.13 Pk ICA/End	< 50%
External Plaque Disease length from BIF	Dense Mixed Calcified	1.18	PK ICA/ Eliq	< 40%
Vertebral	Open Orthograde			
Subclavian	No Turbulence	Good Signal	Biphasic	Widely Patent
	methods. otid bulb is measured using direct dian			, and any recent
Notes CAROTID ARTERY DUF	PLEX			
RIGHT Mixed, dense and calcific stenosis .EFT	ed plaques identified in the in the index of		1 .	
				e e
assessed by Reb	ecca Patton			

Checked by

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Reason Pre-	ор		15	3/6/21	
Outcome Sten	osis severe, Calcified		. 1 8	51012(
Right	Diameter (cm) PSV (r	n/s)	EDV (m/s)	Stenosis
Common Plaque Disease length from BI	Dense Mixed F		0.64	0.10	< 40%
Bifurcation Plaque Disease length from BI	Dense Mixed Calcified F				< 50%
Internal Plaque	Dense Mixed Calcified		3.06	0.65	70% - 79%
Disease length from BI	F 1.30cm	Pk ICA/Pk CCA	= 4.8	Pk ICA/End	CCA = 30.6
External Plaque Disease length from BII	Dense Mixed Calcified	·	0.84	100 mm m	< 50%
Vertebral	Open Orthograde				
Subclavian	Mild Turbulence	Good Signal	Biphas	sic	Widely Patent
Left	Diameter (c	m) DCV/-	- (-)	FDW ()	
Common	Diameter (C	m) PSV (m	1/5)	EDV (m/s)	Stenosis
Plaque Disease length from BIF	Dense Mixed).77	0.12	< 40%
Bifurcation Plaque Disease length from BIF	Dense Mixed Calcified			, *	< 50%
Internal Plaque	Dense Mixed Calcified	0	.74	0.23	< 50%
Disease length from BIF	1.00cm but is obscured	Pk ICA/Pk CCA =	= 1.0	Pk ICA/End C	CCA = 6.2
External Plaque Disease length from BIF	Dense Mixed Calcified	0	.60		< 40%
Vertebral	Not Identified				
Subclavian	No Turbulence	Good Signal	Biphas	ic	Widely Patent
Stenosis based on NASCE Disease within large diameter ca	T methods. arotid bulb is measured using direct diameters.	eter methods as recom		 	
Notes			,	· · · · · · · · · · · · · · · · · · ·	
CAROTID ARTERY DU	PLEX				· ·

RIGHT

Mixed, dense and calcified plaques identified in the internal carotid artery indicating a 70-79 % stenosis based on velocities and colour Doppler imaging. Disease extends for approximately 1.3 cm distal to the bifurcation into the internal. Distal internal carotid appears patent.

LEFT

Mixed, dense and calcified plaques identified in the internal carotid artery indicating a less than 50 %

Assessed by	Rebecca Patton				
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enosis. Origin of the internal is obscured due to acoustic shadowing for ~ 1 cm ho ised velocities or turbulent flow distal to this region.	wever no evidence of
SUGGEST REFERRAL FOR VASCULAR OPINION, IF APPROPRIATE.	
SUGGEST REFERRAL FOR ALTERNATIVE IMAGING MODALITY, IF APPRO	PRIATE.