

Vascular lab report
Assessed by: Emily Blake (CVS)

| | | |
|----------------------|-------------------------|--------------------------|
| Name: C [REDACTED] | Hospital No: [REDACTED] | Date of Exams: 12/4/2019 |
| DOB: 10 [REDACTED] | NHS No: 45 [REDACTED] | Ip/Op: OP TIA CL |
| Referrer: [REDACTED] | Hospital Site: UHL | |

Clinical Indications: Slurring of speech ?TIA / stroke (prev carotid stenosis under GSTT). No prev results on connect care dating back to 2003.

Carotid and Vertebral Artery – Duplex scan
RIGHT
EXTRACRANIAL CAROTID AND VERTEBRAL ARTERY ASSESSMENT

Internal carotid (ICA) = **58% stenosis (not haemodynamically significant)**

External carotid (ECA) = No significant stenosis

Common carotid (CCA) = No significant stenosis

Vertebral artery (VA) = **Antegrade flow**

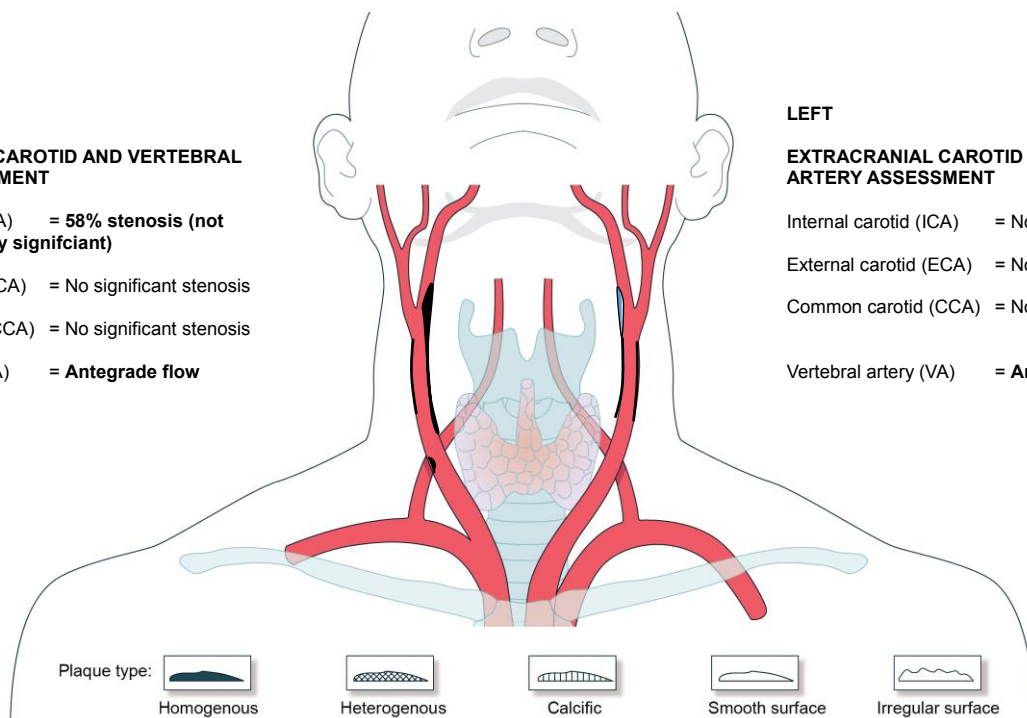
LEFT
EXTRACRANIAL CAROTID AND VERTEBRAL ARTERY ASSESSMENT

Internal carotid (ICA) = No significant stenosis

External carotid (ECA) = No significant stenosis

Common carotid (CCA) = No significant stenosis

Vertebral artery (VA) = **Antegrade flow**


Report:

RIGHT: Tortuous proximal ICA.

The Common (CCA), Internal (ICA) and External (ECA) carotid arteries are patent with no haemodynamically significant stenosis detected. There is soft atheroma imaged within the bulb / ICA this grades at 58% using b-mode linear measurements. Lightly echogenic homogenous atheroma was imaged within the mid to distal CCA with a small speck of calcific atheroma noted within the proximal CCA.

ICA Peak Systolic Velocity (PSV) = 0.48m/sec

ICA End Diastolic Velocity (EDV) = 0.15m/sec.

The Vertebral artery is patent with antegrade blood flow detected.

LEFT:

The Common (CCA), Internal (ICA) and External (ECA) carotid arteries are patent with no haemodynamically significant stenosis detected. 0.9cm length of calcific atheroma detected within the proximal ICA (<50%). Lightly echogenic homogenous atheroma was imaged within the mid to distal CCA.

ICA Peak Systolic Velocity (PSV) = 0.74m/sec.

ICA End Diastolic Velocity (EDV) = 0.19m/sec.

The Vertebral artery is patent with antegrade blood flow detected. There is coiling of the proximal VA just

Conclusion:

Right 58% proximal ICA stenosis with soft atheroma (not haemodynamically significant – graded using b-mode linear measurements).

Left <50% ICA stenosis with calcific atheroma.

Coiling of the left VA just beyond its origin – antegrade flow with normal PSVs.

Results discussed with Dr Kulendran – patient sent home.