



Reason Visual symptom

Outcome Stenosis severe

| Right | Diameter (cm) | PSV (m/s) | EDV (m/s) | Stenosis |
|-------------------------|-----------------------|----------------------------|-----------------------------|---------------|
| Common | | 0.61 | 0.14 | < 30% |
| Plaque | Mixed | | | |
| Disease length from BIF | | | | |
| Bifurcation | | | | 50% - 59% |
| Plaque | Dense Mixed Calcified | | | |
| Disease length from BIF | 1.40cm | | | |
| Internal | | 0.48 | 0.17 | < 30% |
| Plaque | Dense | | | |
| Disease length from BIF | | Pk ICA/Pk CCA = 0.8 | Pk ICA/End CCA = 3.4 | |
| External | | 0.95 | | < 50% |
| Plaque | Dense Mixed | | | |
| Disease length from BIF | | | | |
| Vertebral | Open Orthograde | | | |
| Subclavian | No Turbulence | Good Signal | Triphasic | Widely Patent |

| Left | Diameter (cm) | PSV (m/s) | EDV (m/s) | Stenosis |
|-------------------------|------------------|----------------------------|-----------------------------|-----------|
| Common | | 0.60 | 0.19 | < 30% |
| Plaque | Mixed | | | |
| Disease length from BIF | | | | |
| Bifurcation | | | | < 50% |
| Plaque | Dense Mixed | | | |
| Disease length from BIF | | | | |
| Internal | | 0.65 | 0.18 | 70% - 79% |
| Plaque | Dense Mixed Soft | | | |
| Disease length from BIF | 1.80cm | Pk ICA/Pk CCA = 1.1 | Pk ICA/End CCA = 3.4 | |
| External | | 0.90 | | < 30% |
| Plaque | Mixed | | | |
| Disease length from BIF | | | | |
| Vertebral | | | | |
| Subclavian | | | | |

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:

Mixed, dense and calcified plaques identified in the right carotid bifurcation, forming a 50 - 59% stenosis, based on greyscale imaging. Disease length is ~1.4cm.

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

LEFT:

Mixed, dense and echolucent(?soft) plaques identified in the left internal carotid artery, forming a 70 - 79% stenosis, based on greyscale imaging. Disease length is ~1.8cm. Distally the vessel appears patent.

Assessed by Ranit Shail, MCVS

Printed on 17/07/2024 at 3:35 pm

Checked by

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

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Reference

Accession **04748285**

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SUGGEST URGENT VASCULAR REVIEW

Assessed by **Ranit Shail, MCVS**

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