|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Patient: |  | | | |
| Date of Birth: |  | | | |
| District Number: |  |  | |  |
| Date of Scan: |  | | | |
| Referring Doctor: |  | | | |
| Indications: | Left anterior circulation TIA on 27/07/021 | | | |
|  |
| **Carotid Artery Duplex** | | | | |
| 63  75  96  106  PSV = 107, EDV = 22  PSV = 270, EDV = 44  Arterial velocities in cm/s | | | | |
| Plaque Type: | Homogenous Heterogenous Calcific Smooth Surface Irregular Surface | | | | |
|  | Right | | Left | | |
| Vessel Geometry: | Normal | | Normal | | |
| Vertebral Arteries: | Antegrade | | retrograde | | |
| ICA % Stenosis: | <30 % | | 70-79 % | | |
| ICA/CCA Ratio: | 1.7 | | 3.6 | | |
| ECA % Stenosis: | 0 % | | 0 % | | |
|  |  | | | | |
| Comments: | Right: Patent, no significant stenosis or hemodynamic changes in carotid and vertebral arteries. | | | | |
|  | Left: There is a 1.4cm in length of mixed, predomininately brightly echogenic plaque in the proximal ICA/bulb causing a 70-79% stenosis. Retrograde flow detected in the vertebral artery with subclavian steal, unable to visualize subclavian artery origin due to depth and body habitus. Monophasic waveforms detected in mid-distal subclavian artery.  Patient asymptomatic today. | | | | |
| Scanned by: | Alwin Yeung – Clinical Vascular Scientist | | | | |