

Clinical Indication: Atherosclerosis of carotid left Clinical History: Lump left neck , MRI neck did not pick up pathology,

Findings:

EXTRACRANIAL CAROTID AND VERTEBRAL ARTERIAL DUPLEX

Right

Smooth calcified plaque in the brachiocephalic caused a 1-29% stenosis. Smooth calcified plaque in the proximal ICA caused a 1-29% stenosis.

Smooth mixed plaque in the proximal ECA caused a <50% stenosis.

The vertebral artery was patent with normal antegrade flow.

PSV/EDV (cm/s)

CCA - 73/8

ICA - 38/6

Left

Smooth mixed predominantly calcified plaque in the proximal ECA caused a <50% stenosis.

Calcified plaque from the proximal ECA caused a small segment of shadowing at the ICA origin, waveforms taken immediately distal to this suggesting a maximum 30-49% stenosis in this segment. The ICA was mildly tortuous but patent distally.

There is no evidence of plaque or stenoses in the CCA.

The vertebral artery was patent with normal antegrade flow.

PSV/EDV (cm/s)

CCA - 60/10

ICA - 42/11

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