

Carotid Duplex Final Report

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Name: SAMPLE, PATIENT
DOB: 04/07/1954
Age: 55
Sex: M

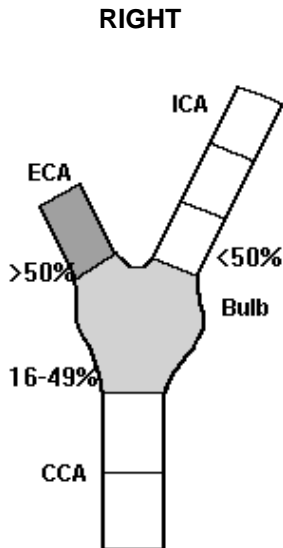
Date: 00/00/2009
Wt: 205
Ht: 69

Location: SAMPLE LOCATION
Sonographer: Sample, MHS, RDCS,
Ordering Physician:
Sample MD, Doctor 999-999-9999

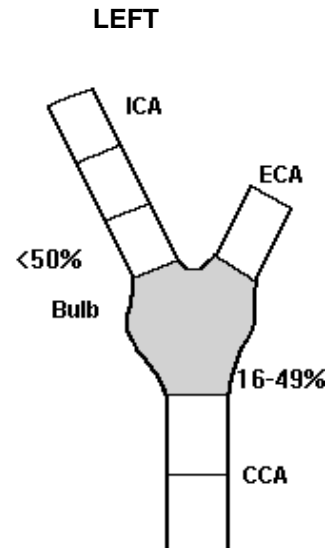
Procedure CPT - 93880

Indication : Carotid stenosis without infarction

ICD 9 Codes: 433.10



Velocity (cm/s) Syst/Diast	Velocity (cm/s) Syst/Diast
92 / 33	Distal ICA 76 / 26
96 / 34	Mid ICA 68 / 25
76 / 24	Prox ICA 71 / 18
59 / 16	Bulb 48 / 19
67 / 21	Distal CCA 78 / 23
71 / 15	Prox CCA 109 / 31
186	ECA 75
Antegrade	Vertebral Antegrade
1.1	ICA/CCA 0.9



NATURAL HISTORY OF CAROTID STENOSIS

ANNUAL % RATE OF VASUCULAR EVENTS

%STENOSIS	TIA,%	STROKE,%	CARDIAC EVENT,%	VASCULAR DEATH,%
<50% (mild)	1.0	1.3	2.7	1.8
50-75% (mod)	3.0	1.3	6.6	3.3
>75% (severe)	7.2	3.3	8.3	6.5

Norris JW, Zhu CZ, Bornstein NM, Chambers BR:
Vascular risks of asymptomatic carotid stenosis, *Stroke* 1991, 22:1485-1490.

Patient Followup Recommendations: 1 year, If clinically indicated

Final Interpretation:

Duplex Imaging of the carotid arteries (extra cranial carotid circulation) revealed: .

Right Carotid System:

Mild irregular fibrocalcific atherosclerotic plaque is seen in the bulb extending into the proximal internal (ICA) and external carotid artery (ECA).

Visually and by Doppler criteria the estimated percent of stenosis in the right bulb is in the range of 16-49%.

Doppler flow velocities in the right internal carotid artery are consistent with a <50% in the range of 16-49%.

Doppler flow velocities of the right external carotid artery are consistent with a >50% stenosis.

Antegrade vertebral flow with normal flow velocities.

Summary: Mild stenosis of the right internal carotid artery (<50% stenosis in the range of 16-49%).

Left Carotid System:

Mild irregular fibrocalcific atherosclerotic plaque is seen in the bulb extending into the proximal internal (ICA) and external carotid artery (ECA).

Visually and by Doppler criteria the estimated percent of stenosis in the left bulb is in the range of 16-49%.

Doppler flow velocities in the left internal carotid artery are consistent with a <50% in the range of 16-49%.

Doppler flow velocities of the left external carotid artery are consistent with a <50% stenosis.

Antegrade vertebral flow with normal flow velocities.

Summary: Mild stenosis of the left internal carotid artery (<50% stenosis in the range of 16-49%).

Coronary risk factor modification should be considered. Coronary event risk is higher than stroke risk at this stage.

Statin agents should be considered. An Antiplatelet agent may be appropriate (eg: aspirin).

Follow up in one year is appropriate if clinically indicated.

Consider Echocardiography and possibly stress testing the risk of CAD is relatively high with the above profile.

Reading Cardiologist MD