

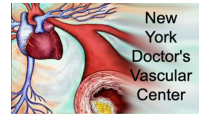


Structured
Ultrasound
Reporting

Your Logo Here

New York Doctor's Medical Center

56 Berent Ave. New York, NY 07002
Tel: 212-541-1900 Fax: 212-541-1199



Your Logo Here

Carotid Report

Signed Final 04/13/2011 03:11 pm

Patient Info

ID #: 132435 Name: Jane Demopatent D.O.B.: 04/02/59 (52 yrs) Date: 04/13/2011 02:36 pm

Performed By

Performed By: Mark Serle RDMS Referred By: ELLEN G SMITH
Attending: Melissa Perlliso MD

Procedures

US Carotid Duplex Bilateral

Indications

Dizziness and giddiness

Technique/Scan Quality

Technique: Gray scale, color flow and pulsed wave Doppler
Scan Quality: Good

History

Prior sonogram from 7-1-2009 -Hypertension- -Diabetes- -Coronary Artery Disease- -Myocardial Infarction-

Brachial Pressure

Right: 130 mmhg Left: 130 mmhg Discrepancy: 0 mmhg

Right Carotid

CCA Proximal	PSV: 52.6 cm/s	EDV: 7.7 cm/s
CCA Mid	PSV: 68.6 cm/s	EDV: 10.7 cm/s
CCA Distal	PSV: 96.3 cm/s	EDV: 14 cm/s

Waveform: Normal Upstroke Laminar flow
Plaque: **Focal, high echogenicity, calcified, smooth surface**

ICA Bulb	PSV: 78.7 cm/s	EDV: 9.7 cm/s
ICA Proximal	PSV: 121 cm/s	EDV: 11.9 cm/s
ICA Mid	PSV: 104 cm/s	EDV: 18.3 cm/s
ICA Distal	PSV: 84 cm/s	EDV: 15.7 cm/s

Waveform: Normal low resistive
Plaque: **Diffuse, high echogenicity, calcified, irregular surface**

ICA/CCA Ratio: 1.8

ECA Proximal PSV: 82.8 cm/s
Waveform: Normal high resistive
Plaque: **Diffuse, high echogenicity, calcified, irregular surface**

Vertebral Artery PSV: 109 cm/s
Waveform: Normal, antigrade and continuous

Comment: On gray scale images, there is moderate tortuosity of the common carotid arteries, which contains difuse intimal thickening and mild amounts of calcified plaque.



Right Upper Extremity

Subclavian Artery PSV: 66 cm/s Waveform: Normal Triphasic

Left Carotid

CCA Proximal	PSV: 105 cm/s	EDV: 14 cm/s
CCA Mid	PSV: 77.3 cm/s	EDV: 9.6 cm/s
CCA Distal	PSV: 76 cm/s	EDV: 15 cm/s
Waveform:	Normal Upstroke Laminar flow	
Plaque:	Focal, high echogenicity, calcified, smooth surface	
ICA Bulb	PSV: 110 cm/s	EDV: 17.2 cm/s
ICA Proximal	PSV: 94.7 cm/s	EDV: 19.2 cm/s
ICA Mid	PSV: 83.4 cm/s	EDV: 14 cm/s
ICA Distal	PSV: 108 cm/s	
Waveform:	Normal low resistive	
Plaque:	Diffuse, high echogenicity, calcified, smooth surface	
ICA/CCA Ratio:	1.4	
ECA Proximal	PSV: 86 cm/s	
Waveform:	Normal high resistive	
Plaque:	Diffuse, high echogenicity, calcified, smooth surface	
Vertebral Artery	PSV: 91.1 cm/s	
Waveform:	Reversal of flow	



Left Upper Extremity

Subclavian Artery	PSV: 93 cm/s	Waveform: Normal Triphasic
--------------------------	--------------	----------------------------

Additional Findings

Survey images of the surrounding neck demonstrates mid nodular enlargement of the thyroid gland, which is most likely due to multinodular goiter.

Impression

1. Extensive multifocal calcified atherosclerotic plaque in the bilateral carotid arterial systems of the neck, with mild progression in the plaque burden since the time of the prior sonogram.
2. These abnormalities still result in less than 50% luminal diameter reduction arterial narrowings bilaterally, and there is no evidence of any hemodynamically significant stenosis.
3. There is new reversal of flow directionality in the left vertebral artery. This can be associated with left subclavian steal syndrome, and clinical correlation is recommended.
4. Mild nodular enlargement of the thyroid gland, which is most likely due to multinodular goiter.

Thank you for sharing in the care of Ms. Jane Demopatient with us. Please do not hesitate to contact us if you have any questions or concerns.

Melissa Perlliso, MD
Electronically Signed Final Report 04/13/2011 15:11