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300 Barr Harbor Drive, Suite 280

West Conshohocken, PA 19428

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**Patient: DOE, JOHN**

**Exam Date: 05/25/2010**

**MRN : JD4USARAD**

**DOB: 01/01/1961**

**Referring Physician: DR. DAVID LIVESEY**

**FAX: (305) 418-8166**

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**US OF THE ARTERIAL SCAN OF LOWER EXT COMPLETE BILATERAL STUDY W/O**

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CLINICAL HISTORY: Bilateral lower extremity pain

COMMENTS:

Real time sonography with duplex doppler of the lower extremities bilaterally was performed with attention to major arterial structures to the ankle level.

The right ankle/brachial index is diminished at 0.50 indicating moderate peripheral arterial disease in the right lower extremity.

Biphasic waveforms were seen in the right common femoral and proximal superficial femoral arteries, and monophasic throughout the remainder of the arterial branches in the right lower extremity.

The peak systolic velocity at the right common femoral artery is 88 cm/s.

The peak systolic velocity at the right profunda femoris artery is 65 cm/s.

The peak systolic velocities at the proximal and distal right superficial femoral artery are 87 and 70 cm/s, respectively.

The peak systolic velocity at the right popliteal artery is 107 cm/s.

The peak systolic velocity at the distal right anterior tibial artery is 48 cm/s.

The peak systolic velocity at the distal right posterior tibial artery is 106 cm/s.

The left ankle/brachial index is slightly diminished at 0.85 indicating mild peripheral arterial disease in the left lower extremity.

Triphasic waveforms are seen throughout the arterial branches of the left lower extremity.

The peak systolic velocity at the left common femoral artery is 92 cm/s.

The peak systolic velocity at the left profunda femoris artery is 50 cm/s.

The peak systolic velocities at the proximal and distal left superficial femoral artery are 70 and 69 cm/s, respectively.

The peak systolic velocity at the left popliteal artery is 70 cm/s.

The peak systolic velocity at the distal left anterior tibial artery is 62 cm/s.

The peak systolic velocity at the distal left posterior tibial artery 59 cm/s.



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**IMPRESSION:**

1. Moderate peripheral arterial disease in the right lower extremity.
2. Mild peripheral arterial disease in the left lower extremity.

-Electronically Signed by: ANNA VICTORIA MORALES, M.D. , CERTIFIED BY ABR 04/01/2010 1:58:20 PM  
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