

**Procedure Name:** Ankle Brachial Index

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**Indications:**

IDDM or NIDDM, HTN, hyperlipidemia, heart disease, smoking, intermittent claudication, nocturnal claudication, rest pain, lower extremity parathesia, unhealed wounds or ulcers, cyanotic toes, leg pain or fatigue and any other indications determined by referring physician.

**General Description:**

This is a screening for peripheral arterial disease of bilateral lower extremity arteries.

**Patient Preparation:**

There is no preparation for this exam.

**Equipment Selection and Settings:**

Parks Flo-Lab vascular system will be used for ABIs and Doppler waveform.

**Imaging Sequence:**

**LIMITED NIPS (Non-Invasive Physiologic Studies)**

Apply cuffs to the ankles and upper arms to obtain ABIs.

Recommended cuff bladder size should be 20% wider than limb diameter for accurate pressure determination.

Obtain systolic pressure in each arm. Use the higher of the two arm pressures for calculating indices. Do not take a pressure in an arm or leg with a shunt or dialysis access graft. Obtain Doppler readings from dorsalis pedis or posterior tibial arteries to calculate bilateral ABIs.

Select Doppler setting from the menu and obtain Doppler waveforms from 1-2 levels of each leg.

If the Flo-Lab does not send the worksheets directly to pacs, a patient info page must be taken on the ultrasound unit and sent to pacs. This is the last step after completing in IDX and scanning in worksheets.