Ankle Brachial Index

Name	Date
the blood flow in the arteries of the legs	e and non-invasive diagnostic test used to assess and arms. It compares the blood pressure he arm to determine if there is any narrowing or I to the legs.
Instructions	
 (or an automated device with Dopple 2. Have the patient lie down comfortable relaxed and at ease. 3. Begin by placing a blood pressure cursing but not too tight. 4. Locate the brachial artery, which is on 5. Apply the Doppler device or stethost can no longer hear the pulse. 6. Slowly deflate the cuff while listening pressure reading when the pulse first 7. Now, it's time to move on to the ank ankle, just above the bony prominen 8. Again, make sure it's snug but not ur 9. Locate the dorsalis pedis artery or the the Doppler device or stethoscope o 10. Inflate the cuff around the ankle untimeasurements. 11. Slowly deflate the cuff while listening pressure reading when the pulse first 	bly on an examination table. Make sure they're uff around the patient's upper arm. Make sure it's in the inside of the upper arm. cope over the artery, and inflate the cuff until you g for the return of the pulse. Note the systolic blood t becomes audible. This is your brachial pressure. cles. Place a blood pressure cuff around the patient's ice. ncomfortably tight. he posterior tibial artery on the patient's foot. Apply

Interpreting the results

The ABI provides a ratio that helps determine the presence and severity of peripheral artery disease (PAD). Here's how to interpret the results:

- **Normal ABI:** A normal ABI is typically between 1.00 and 1.40. This suggests that blood flow in the legs is normal, without significant narrowing or blockage in the arteries.
- **Abnormal ABI:** An ABI value of 0.90 to 0.99 indicate reduced blood flow and suggests the presence of peripheral artery disease (PAD). The lower the ABI, the more severe the blockage or narrowing may be.

• **Severe ABI:** In some cases, an ABI value of less than 0.90 can indicate non-compressible or rigid arteries due to calcification. This can make accurate measurements challenging and may require further assessment or alternative diagnostic methods.

Reminders

- Make sure the patient is relaxed and comfortable throughout the test.
- Take measurements on both sides of the body (left and right) to compare results.
- If the patient has any wounds or infections on their legs or feet, avoid placing the cuffs over those areas.
- Ensure proper positioning of the Doppler device or stethoscope to accurately capture the blood flow sounds.
- If the patient experiences any discomfort during the test, stop immediately and address their concerns.

Additional notes