

Diagnosing: Peripheral Arterial Disease

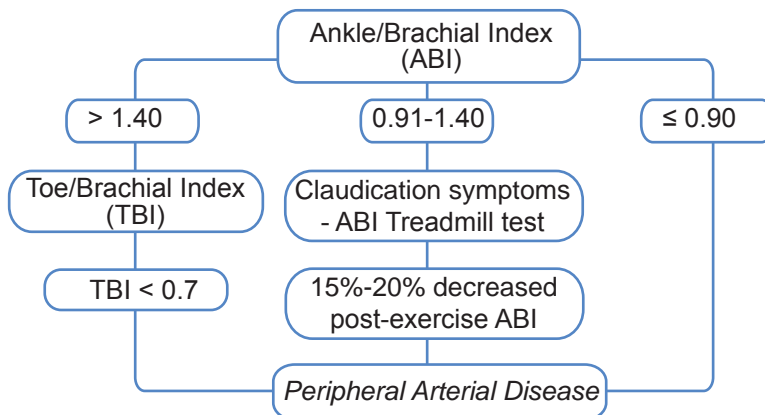
Critical Limb Ischemia

Objective testing is recommended in all patients:

- Age 50-69 years diabetics and/or smokers
- Age > 70 years
- Leg symptoms with exertion or reduced physical function
- Abnormal leg vascular exam
- Assessment of cardiovascular risk

Diagnosis should be supported by objective tests:

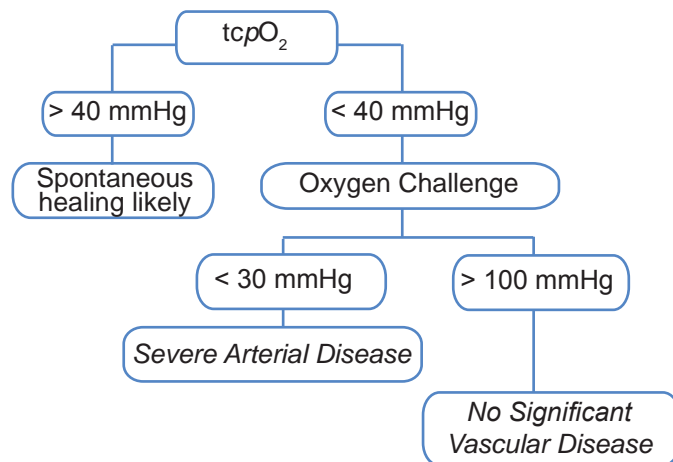
- **Ankle Pressure**
 - Patients with ischemic ulcers < 70 mmHg
 - Patients with ischemic rest pain < 50 mmHg
- **Toe Pressure**
 - Patients with ischemic ulcers < 50 mmHg
 - Patients with diabetes < 50 mmHg
 - Patients with ischemic rest pain < 30 mmHg
- **tcpO₂**
 - < 30 mmHg



TASC II Inter-Society Consensus for the Management of Peripheral Arterial Disease

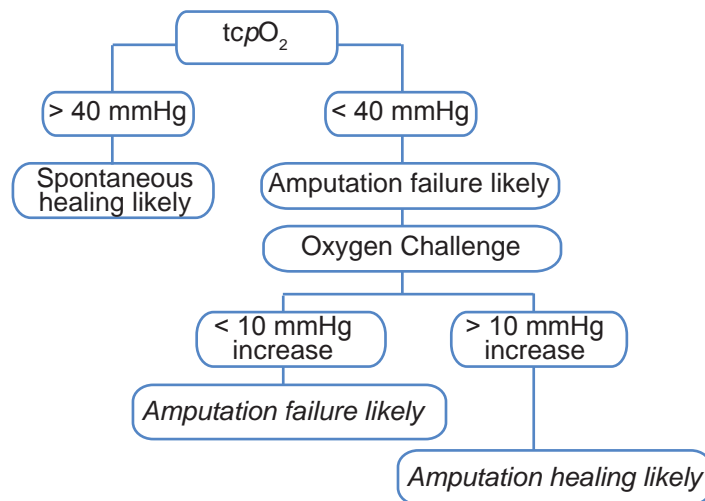
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Assessing: Wound Healing



An increase in $tcpO_2 > 40$ mmHg after revascularization is also associated with improved wound healing. Note that $tcpO_2$ should not be performed < 3 days after surgery.

Amputation Level



Transcutaneous Oximetry in Clinical Practice: Consensus statements from an expert panel based on evidence. C. E FIFE, D. R. SMART, P. J. SHEFFIELD, H. W. HOPF, G. HAWKINS, D CLARKE, J Undersea and Hyp Med Vol. 36, No. 1 p 43-53, 2009

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