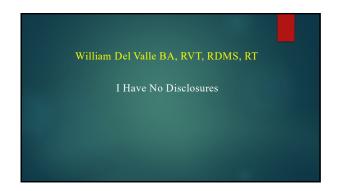
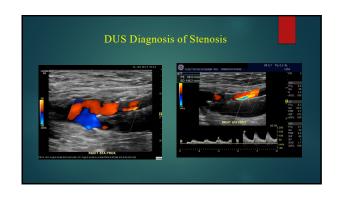
Utility of Toe Brachial Index Done In Conjunction with Ankle Brachial Index

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"We Know"
Physiologic Testing
A PVR includes waveforms and ankle pressures
Ankle pressures are less reliable in the face of medial sclerosis
Should every physiologic exam include both ABI and TBI?



Photoplethysmography

Optical method detects blood volume changes in microvasculature
Infrared light (wavelength 940 nm) penetrates skin and tissue
PPG pulse wave frequency range 0.5 – 4.0 Hz
Reflectance mode
AC senses pulsatile (arterial) changes...DC senses non-pulsatile (venous) changes

Light Emitter Light Detector

Epidermi Capitalization (Arteriole)
Subderdancom
Tissue

Subderdancom
Subderdancom
Tissue

