

The ABI with Toe Procedure (TBI)

1. Connect the SPPG to the back of the Cuff-Link box.
2. Place the SPPG sensor on the fleshy part of the toe opposite the toenail. Use cohesive tape or double sided tape to attach SPPG sensor to the toe.
3. Wait for consistent pulsatile waveform to appear (A warm towel aids blood flow in the toes).
4. Obtain the toe pressure by inflating the cuff until the PPG waveform 'flatlines' and release **Inflate**.
5. When pulsatile waveform reappears, press **Pressure** to store the pressure value in the exam.

Note The toe cuff inflates rapidly – light taps of the Inflate button are best.



SPPG sensor connected to the Cuff-Link



SPPG Sensor



Correctly wrapped toe

Exam hints:

- A warm toe is a big help. Keep the toe covered if you can with a towel, even a warm towel if available. Let the patient rest and relax before inflating the cuffs. Anchor the cord from the PPG sensor to the foot with some adhesive tape.
- Toe pressures are difficult to obtain in patients with small vessel disease. Pressures can be obtained with the Doppler probe as well but it is more difficult as the digit arterial signal is hard to locate.