



## **Patient Studies**

### **Doppler Waveforms**

Doppler waveforms can be collected for Upper and Lower Arterial Studies. This test captures analog zero-crossing waveforms from the MD35 Procord. To collect Doppler waveforms follow the steps below.

1. Select the Doppler mode on the front panel of the MD35 Procord; refer to the corresponding exam in NIVP3.
2. To view and capture the waveform, select the button labeled for the appropriate site. Locate the corresponding artery with the Doppler transducer.
3. Verify that the range displayed on the screen corresponds with the range on the front of the instrument. To change the range setting, select the appropriate setting on the instrument, then select the corresponding range setting from the Range menu at the top of the NIVP3 window.
4. Set the Doppler baseline by adjusting the position control on the front panel of the MD35. Press F3 on the keyboard or select the menu item Options > Set Baseline.
5. To freeze the waveform press the spacebar on the keyboard, or the white button on the Doppler handle.
6. Use the mouse to click and drag the red vertical cursors over the portion of the waveform to be stored. Only 3 seconds of wave data are stored.
7. The window that appears at bottom right of the screen is an enlargement of the waveform segment to be stored. Press the Spacebar again, or the white button on the Doppler handle to store the waveform and proceed to the next site.

#### **Note:**

If a key sequence has been saved, the software will advance to the next site to be recorded. To save the key sequence, go to Tools, Save Key Sequence. When a check appears next to save key sequence, NIVP3 is saving the current key sequence for use during the next patient visit. If a key sequence is not saved, use the mouse, the arrows on the keyboard, or the arrows on the TD312 to select the next recording site. Use the Space button on the keyboard or the TD312, click the button with the mouse, or press the white button on the Doppler handle to capture the next recording.

8. To return to the previous screen press the Esc key on the key board or on the

TD312.

9. Waveform grading is optional. To grade doppler waveforms, select the site to be graded. The status box should read data present or data retaken. Select Yes to view an existing wave form. Select a grade:

Normal  
Moderate  
Significant  
Occluded  
Comment  
N/A

\*\*The grade selected will appear in the column labeled response. The grade will also print on the patient report.