Sensis FFR with Volcano SmartMap® System
Quick Guide
Sensis FFR with Volcano SmartMap® System

- The FFR feature must be preconfigured on the Sensis hemodynamic system by Siemens applications.

- The Aortic pressure (Proximal pressure - Pa) is configured for (Channel A),

- The Volcano Pressure Wire (Distal pressure - Pd) is configured for (Channel D) on the tableside mounted Hemomed Pod.

1. Select the FFR hemodynamic mode, either Setup or Workflow support.

2. Connect the Volcano SmartMap® Instrument to (Channel D) on the tableside mounted Hemomed Pod

3. Connect the pressure guide wire to the tableside mounted SmartMap® Instrument. The SmartMap® Instrument display will indicate five messages
   - Warming up
   - Zeroing
   - Wait
   - Auto Zero
   - Running

   If necessary the pressure wire can be balanced at this time on the Sensis hemodynamic system. (Pressure Balance should be performed with the pressure guide wire outside the body and remain in the spiral dispenser per manufacture recommendation).

4. Insert the pressure wire into the guide catheter, and positioned just outside the distal end of the guiding catheter.

5. Click the "Equalize Pd, Pa" (Icon located at bottom of Sensis screen)
6. Click “Accept” in the open Equalize dialog box. NOTE: both Pa and Pd pressures should be the same.

7. Advance the Pressure guide wire distal to the target lesion, per manufacture recommendation.

8. Induce hyperemia per protocol.

9. Click the “START FFR”, Icon located at bottom of the Sensis screen to start an elapsed timer and begin recording both the mean Pa pressure value, and the mean Pd pressure value.

10. Click the “STOP FFR”, Icon located at the bottom of the Sensis screen, at the end of induced hyperemia

The Sensis will display the measured FFR result and stop the elapsed timer.

11. You can accept the result with clicking “OK”, this will create an FFR event stored in the Sensis database.

12. Or you can press, “Cancel” and then manually adjust (Click and Drag) the vertical FFR marker line located on the screen. Resulting in a new FFR result.

All measured FFR parameters and waveform events are stored in the Sensis database and can be printed out in a report.
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