

Doppler Flow Phantom

Model 069A



USER GUIDE

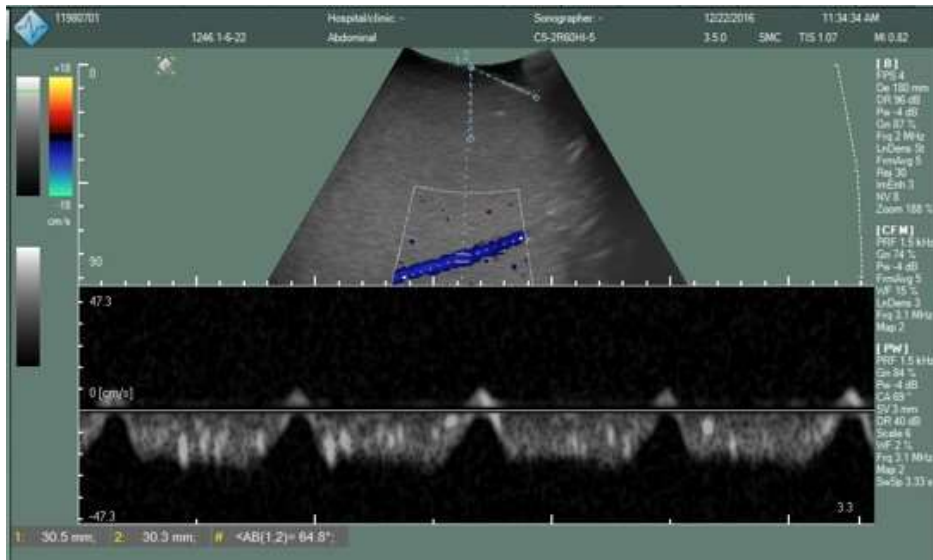
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$$\text{Doppler}_{\text{corrected}} = \text{Doppler}_{\text{relative}} - (90^\circ - \text{probe})$$

For linear transducers, the measurement will usually not be required since the probe angle will be perpendicular. For curved transducers, it will be necessary to measure the probe angle for each measurement. An example of a Doppler angle measurement with a curved transducer is shown in the image below.

7. Compare the observed angle with the given angle.



Doppler angle error test with curved transducer. Calculations are provided below:

$$\text{Doppler}_{\text{relative}} = 69^\circ - \text{probe} = 64.8^\circ \quad \text{Doppler}_{\text{corrected}} = 69^\circ - (90^\circ - 64.8^\circ) = 43.8^\circ$$

