



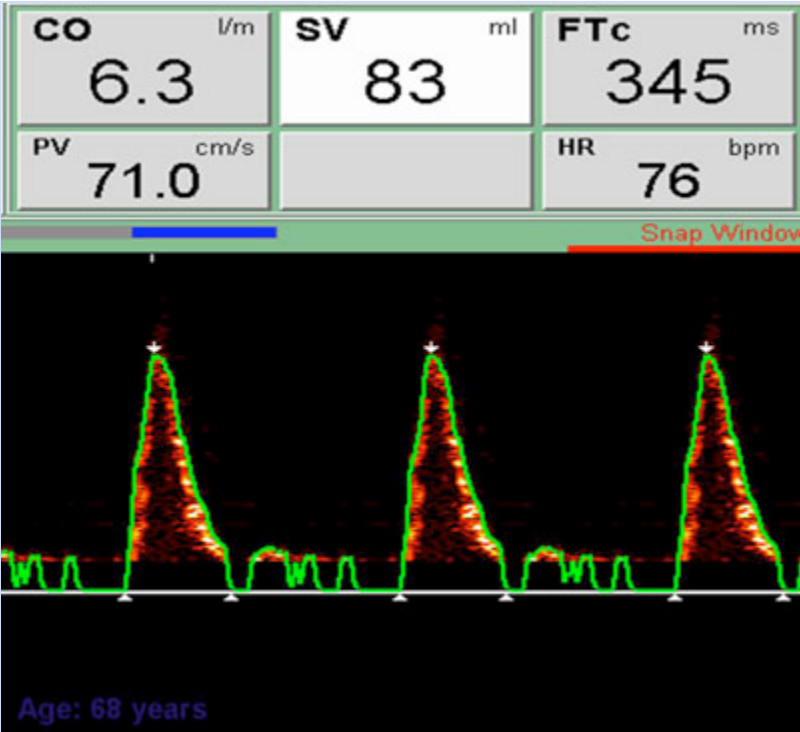
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Examples of CardioQ waveforms

AnaesthesiaUK would like to thank Dr Robert Kong, Consultant Cardiac Anaesthetist, Sussex Cardiac Centre, Royal Sussex County Hospital for providing these images.

Normovolaemia

- Whip crack sound
- Wide bases – within normal ranges
- Tall peaks – adequate Peak Velocity for age
- All parameters appear to be within the normal limits

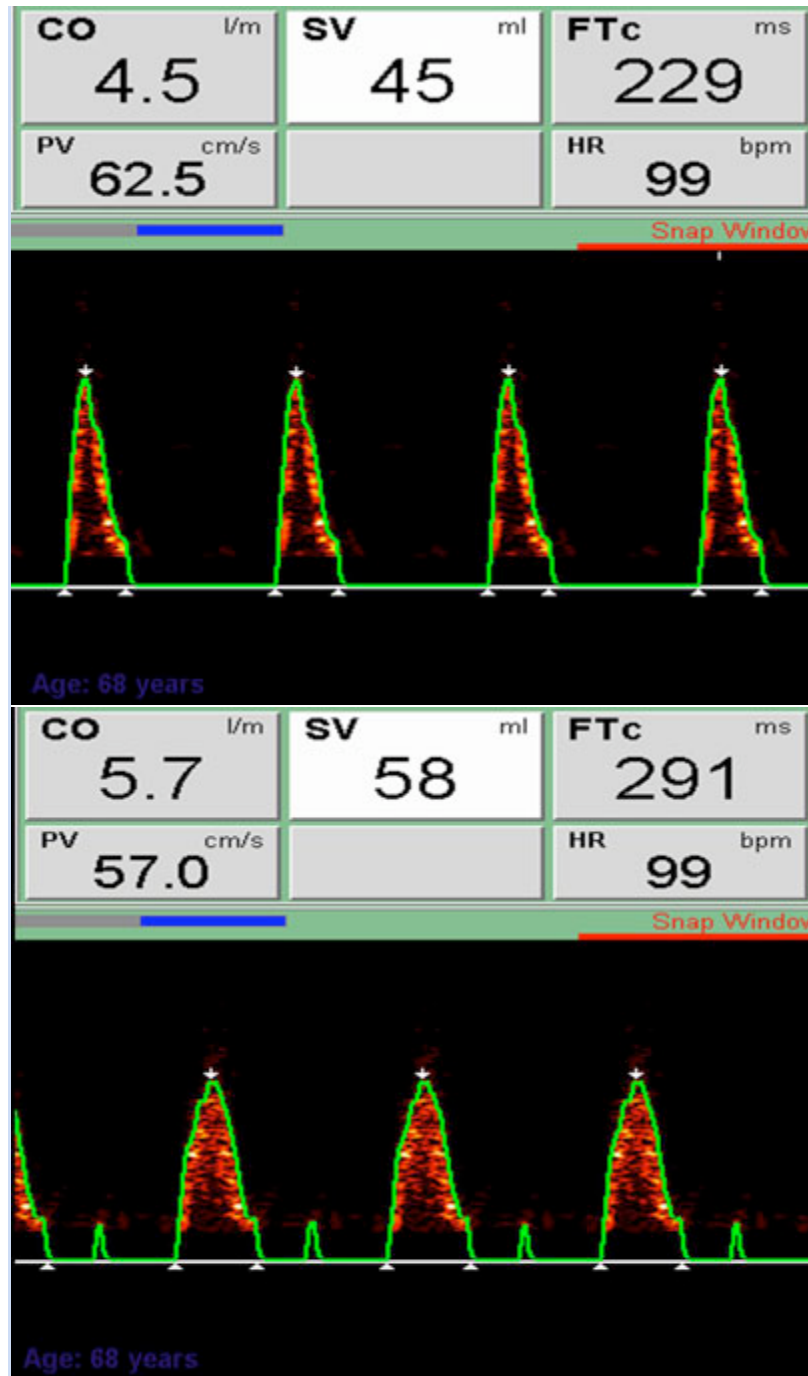


Hypovolaemia

Narrow waveform thus low FTc

Good PV

Decreased CO,
SV & borderline high HR



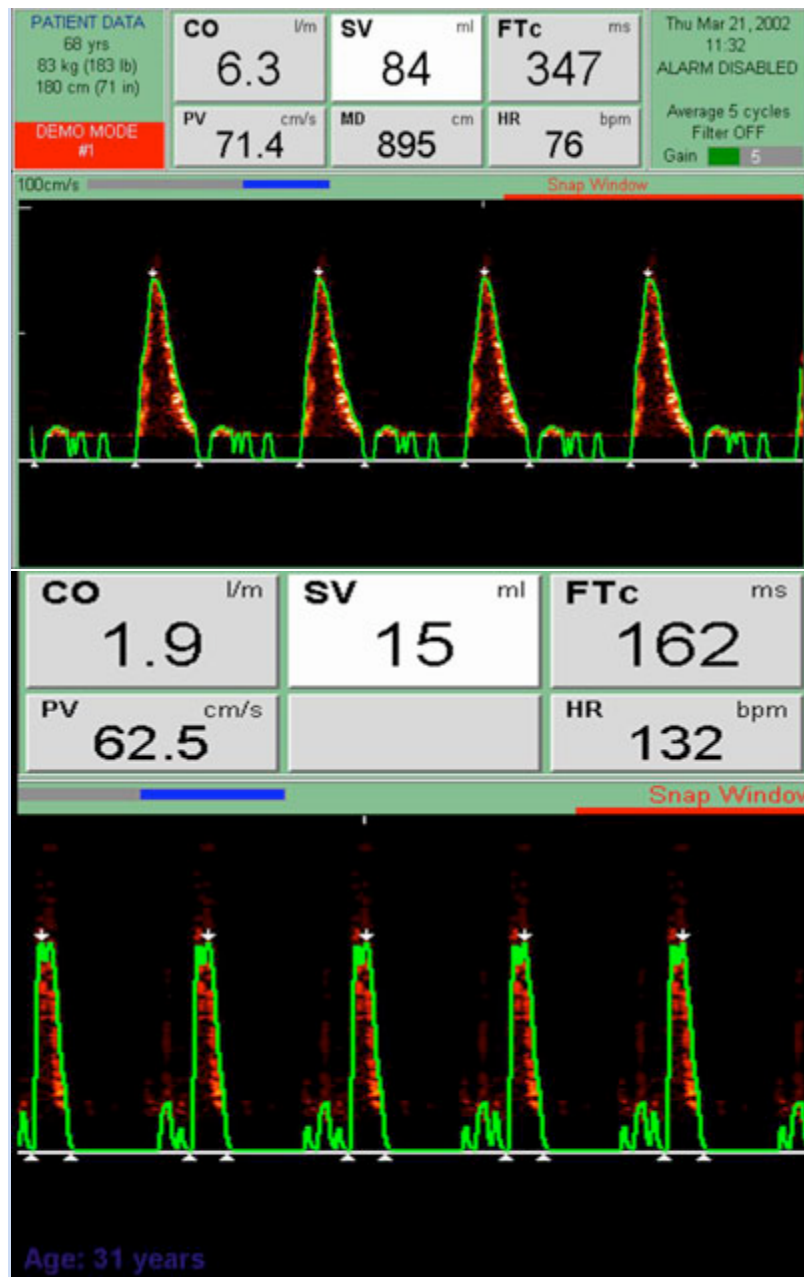
**Hypovolaemia
following fluid challenge
200mls**

Audible change;

Widened bases – FTc improving

Good peaks – PV within range
CO, SV improving

**Hypovolaemia
following fluid challenge
600mls**



Increased afterload

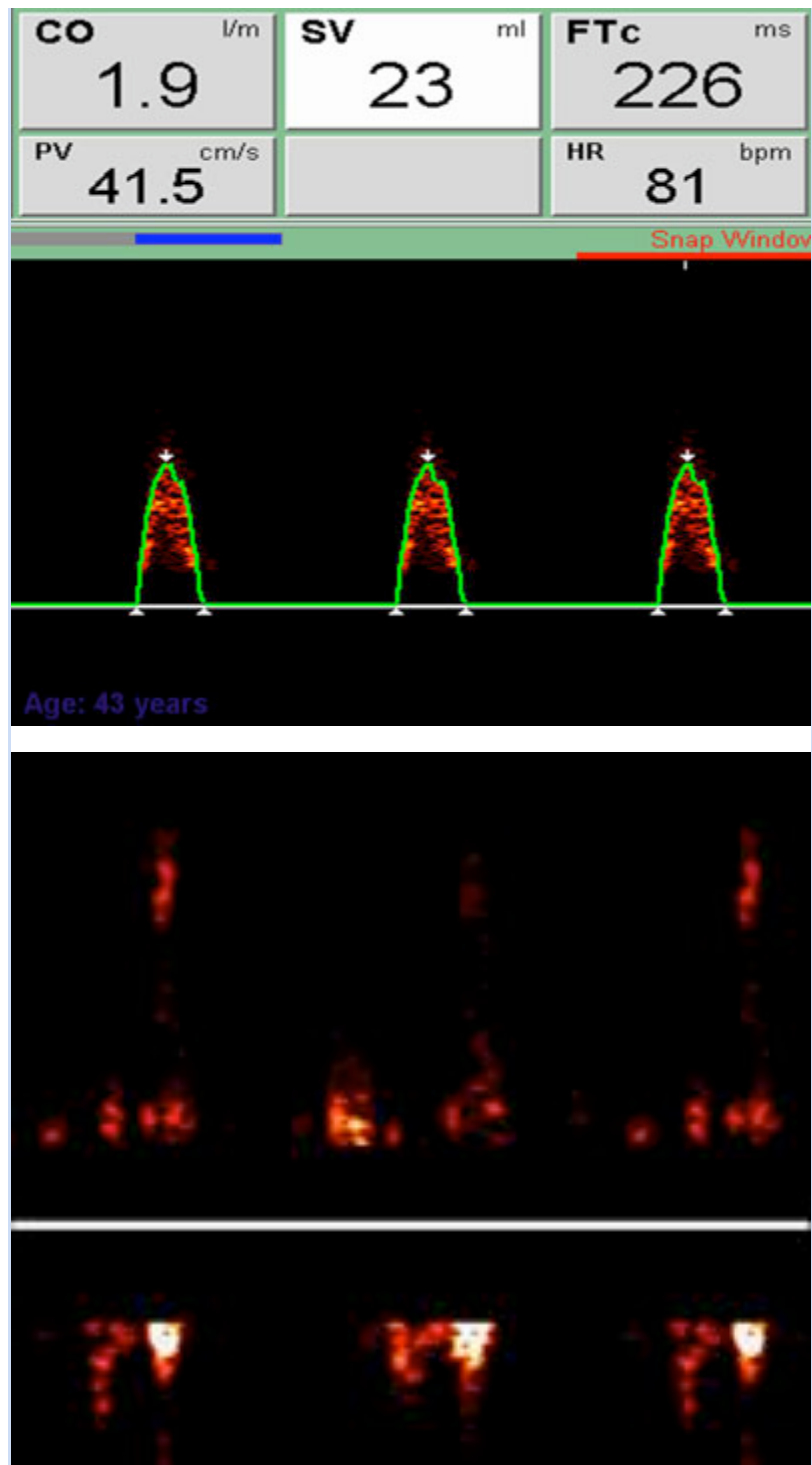
Characteristic sound

Narrow bases – low FTc

Low peaks – low PV for age

Decreased CO & SV

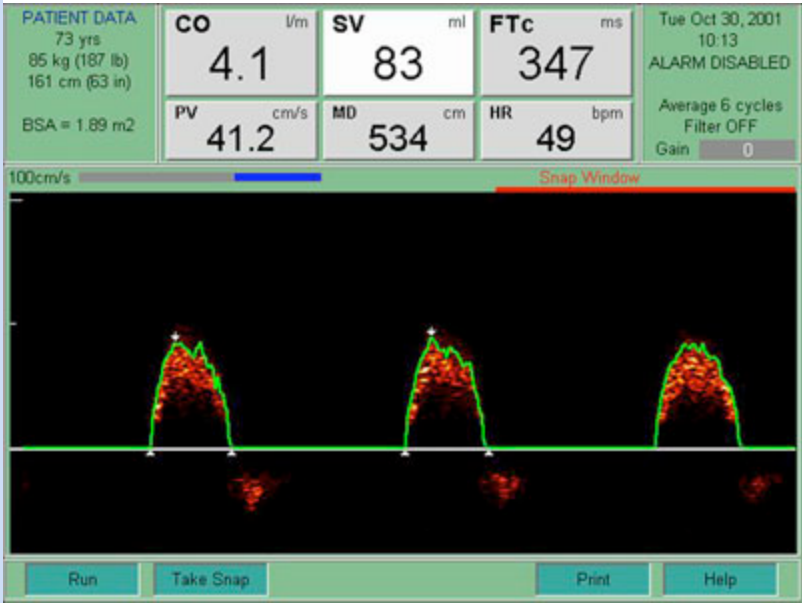
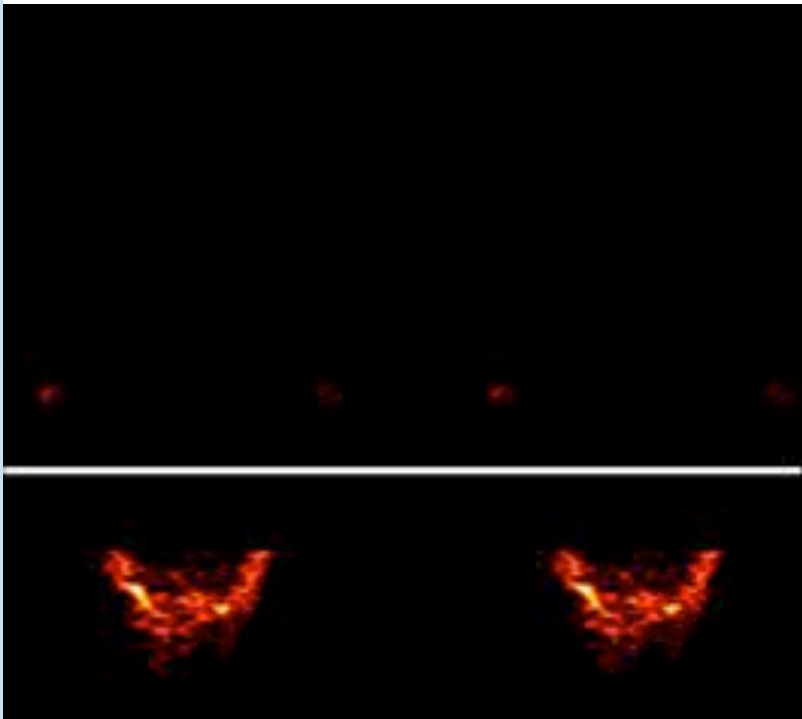
Unchanged heart rate

**Intracardiac**

Correct depth, rotate tip

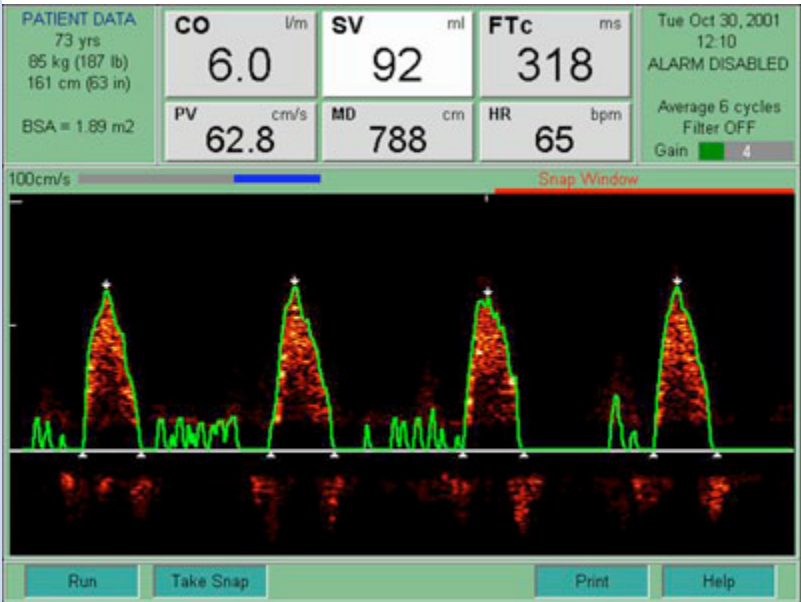
Venous

Correct depth, rotate tip

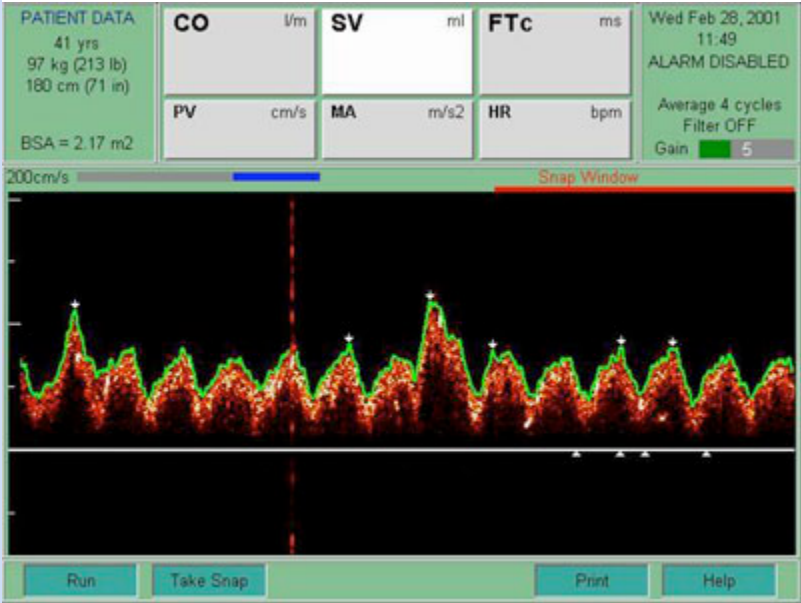


Aortic Stenosis before surgery

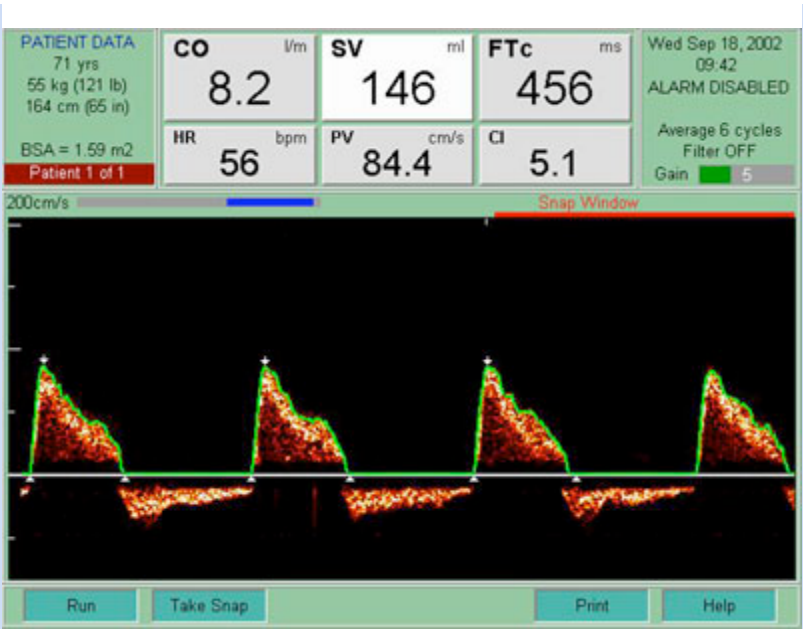
Aortic Stenosis- After AVR



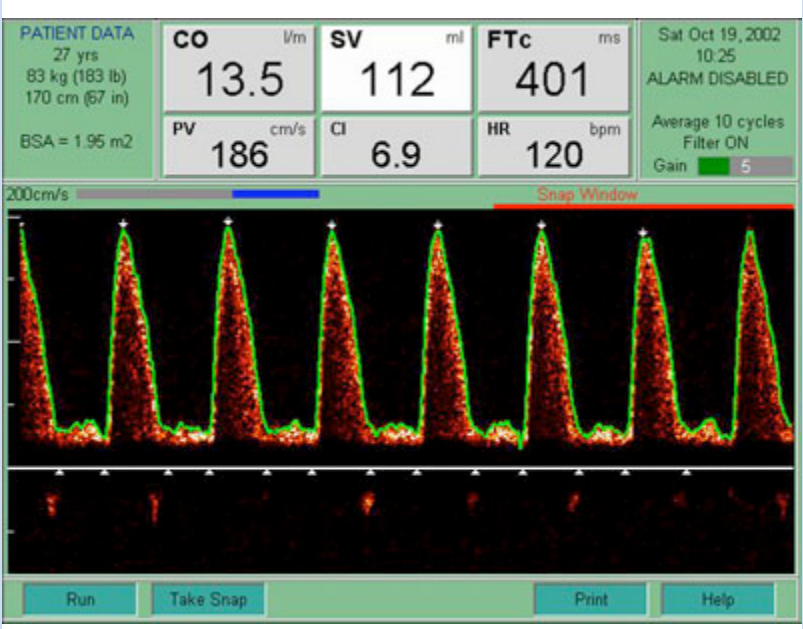
Cardiopulmonary bypass pulsatile flow



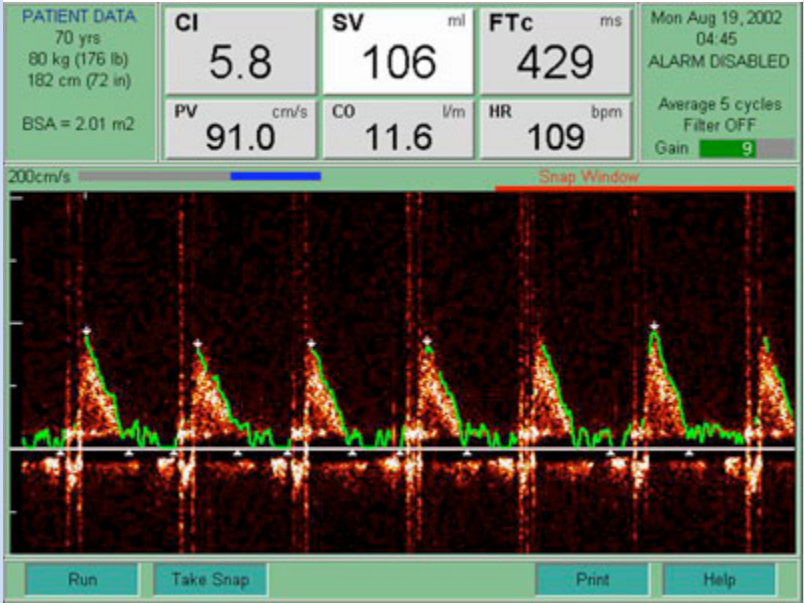
Aortic Regurgitation



Hyper-Dynamic



Wall Thump



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