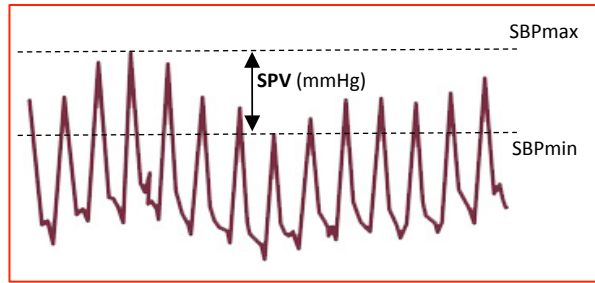
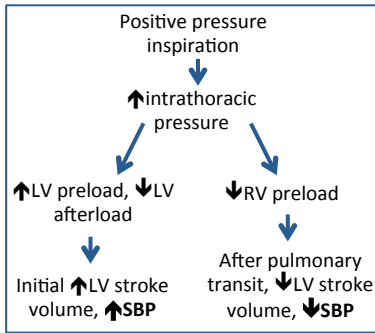


Perioperative Goal Directed Fluid Therapy (GDFT)

Updated 3/21/19 Dylan Masters

Systolic Pressure Variation (SPV)



“Every breath is a bolus”

If respiratory variation is creating differences of SBP such that **SPV is greater than 10mmHg**, in the right clinical context this is suggestive that patient may be fluid responsive.

If SPV is less than 10mmHg, there could be other reasons causing soft blood pressures, and additional fluids are less likely to help.

Display SPV on GE Monitor: select Monitor Setup, select Screen Setup; select Lower Parameter Area; in an unused space scroll up to SPV. (displays averaged SPV value in mmHg updated serially, also displays PPV %)

Manually calculate SPV on GE Monitor: select SPV window; allow curve to be drawn, select Freeze; adjust SBPmax and SBPmin lines with toggle buttons. (displays this SPV value in mmHg until next manual calculation)

For more information on SPV and other hemodynamic parameters guiding fluid responsiveness: consider PMID 21906322 and PMID 19602972

More information on UCSF GDFT: [\[link for UCSF GDFT\]](#)