

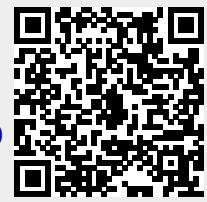
$$\text{TPG} = \text{mPAP} - \text{PCWP}$$
$$\text{SVR} = \frac{\text{MAP}-\text{CVP}}{\text{CO}} \times 80$$
$$\text{CO} = \text{LVOT}_{\text{area}} \times \text{LVOT}_{\text{VTI}} \times \text{HR}$$

## Swan-Ganz Equations

$$\text{CO} = \frac{\text{VO}_2}{\text{C}_a - \text{C}_v}, \text{ where } \text{C}_v = \text{ScvO}_2 \text{ (mixed venous oxygen content)}$$

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