Hemodynamic instability

- arterial catheter
- central venous catheter

Fluid responsiveness? (low CVP?)

- present
  - hypovolemia likely
  - fluid challenge

- absent
  - echocardiography
    - small chambers
    - large ventricles
    - poor contractile state
    - valvulopathy (cardiogenic)
    - RV dilation (obstructive)
   - tamponade