**HALF-PINT Inclusion and Exclusion Criteria**

**INCLUSION CRITERIA (include if patient meets clinical *and* age eligibility requirements):**

* Clinical Eligibility Requirements
  + Patient is in cardiovascular failure, defined as:
    - Dopamine or dobutamine > 5mcg/kg/min *OR*
    - Any dose of epinephrine, norepinephrine, milrinone or vasopressin (only for hypotension)

**AND / OR**

* + Patient is in respiratory failure, defined as:
    - Acute mechanical ventilation via ETT or trach anticipated for > 24 hours

*If patient is not in CV and/or respiratory failure – STOP HERE*

*If patient is in CV and/or respiratory failure, continue to check age requirement –*

* Age Eligibility Requirements
* Patient is > 2 weeks and corrected gestational age > 42 weeks
* Patient is less than 18 years of age

*If patient does not meet age criteria – STOP HERE*

*If patient meets clinical and age criteria, add to HALF-PINT Daily Screening Form and CONTINUE to exclusion criteria –*

**EXCLUSION CRITERIA (exclude if any of the following conditions are true):**

* Patient is expected to remain in the ICU < 24 hours (this may change, continue to monitor; other exclusions are permanent)
* Patient was previously randomized in HALF-PINT
* Patient is enrolled in a competing trial (consult CCC before excluding)
* Family/team has decided to limit/redirect care from aggressive technological support
* Patient was vent dependent (chronic) prior to ICU admission (non-invasive ventilation is acceptable)
* Patient has Type 1 or 2 diabetes
* Patient had cardiac surgery within prior two months or is planned during this admission
* Diffuse skin disease which will not enable sensor insertion
* Patient is a ward of the State
* Patient is pregnant

*If any of the above exclusion criteria are true, STOP HERE (continue to assess if only exclusion is that patient expected to remain in ICU < 24 hours as this may change).*

*If none of the above exclusion criteria are true, CONTINUE to next section; complete all remaining data points, including age, gender, race, ethnicity, consent status (date and time consented or reason not consented; initial form).*