



SCAI SHOCK STAGE	PHYSICAL EXAM	BIOCHEMICAL MARKERS	HEMODYNAMICS
<b>A</b>	Normal JVP Lung sounds clear Strong distal pulses Normal mentation	Normal renal function Normal lactic acid	Normotensive (SBP $\geq$ 100 or normal for pt.) If hemodynamics done: ▪ Cardiac index $\geq$ 2.5 ▪ CVP $<$ 10 ▪ PA Sat $\geq$ 65%
<b>B</b>	Elevated JVP Rales in lung fields Strong distal pulses Normal mentation	Normal lactate Minimal renal function impairment Elevated BNP	SBP $<$ 90 OR MAP $<$ 60 OR $>$ 30mmHg drop Pulse $\geq$ 100 If hemodynamics done: ▪ Cardiac Index $\geq$ 2.2 ▪ PA Sat $\geq$ 65%
<b>C</b>	Ashen, mottled, dusky Volume overload Extensive Rales Killip class 3 or 4 BiPap or mechanical ventilation Acute alteration in mental status	Lactate $\geq$ 2 Creatinine doubling OR $>$ 50% drop in GFR Increased LFTs Elevated BNP Urine Output $<$ 30mL/h	Drugs/device used to maintain BP above stage B values. ▪ Cardiac Index $<$ 2.2    ▪ PCWP $>$ 15 ▪ RAP/PCWP $\geq$ 0.8    ▪ PAPI $<$ 1.85 ▪ Cardiac Power Output $\leq$ 0.6
<b>D</b>	Any of stage C	Any of stage C AND deteriorating	Any of stage C AND Requiring multiple pressors OR addition of mechanical circulatory support devices to maintain perfusion
<b>E</b>	Near pulselessness Cardiac collapse Mechanical ventilation Defibrillator used	Lactate $\geq$ 5 pH $\leq$ 7.2	No SBP without resuscitation PEA or Refractory VT/VF Hypotension despite maximal support