

## Volumetric parameters

EVLW (EXTRA VASCULAR LUNG WATER): How much fluid is in the lung tissues instead of the lung blood vessels

Normal EVLW 3-7 ml/kg > 14 associated with poor outcomes

PVPI (PULMONARY VASCULAR PERMEABILITY INDEX): How leaky are the lung capillaries, prediction of how much fluids administered will end up as EVLW, instead of intra vascular volume. Value tells you if EVLW is likely cardiogenic or inflammatory (like ARDS).

PVPI < 3 cardiogenic, PVPI > 3 inflammatory/leaky vessels

GEDV (GLOBAL END DIASTOLIC VOLUME): How much volume is in the heart at end diastole, preload measurement. Predicts preloading conditions, best when indexed (GEDI)

Normal GEDI 600-800ml/m<sup>2</sup> <680 hypovolemia (volume) >800 hypervolemia (diuretic)

GEF (GLOBAL EJECTION FRACTION): Percentage of blood volume in a chamber that is ejected with a contraction. Measure of inotropy (contractility)

Normal 25-35%

TPTD (TRANSPULMONARY THERMAL DILUTION)

Large curve = ↓CO      Small curve = ↑CO