

SUPPLEMENTAL FIGURE 1: Recirculation (red circle) is effectively a left to right shunt. The recirculation fraction = $(O_2SatR-O_2SatCV)/(O_2SatR-O_2SatD)$, where O_2SatR , O_2SatCV , O_2SatA , O_2SatD = return, central venous, arterial and drainage oxygen saturation respectively.