SUPPLEMENTAL FIGURE 1: Recirculation (red circle) is effectively a left to right shunt. The recirculation fraction = \((O_2\text{Sat}_R - O_2\text{Sat}_{CV})/(O_2\text{Sat}_R - O_2\text{Sat}_D)\), where \(O_2\text{Sat}_R\), \(O_2\text{Sat}_{CV}\), \(O_2\text{Sat}_A\), \(O_2\text{Sat}_D\) = return, central venous, arterial and drainage oxygen saturation respectively.