

COVID/ARDS Vent TIPS

ARDS

- * Pressure increases oxygenation
- * Increase PEEP & FiO₂
- * High rate/low Vt
- * PC is preferred mode
- * VtE must be monitored
- * MV = 6-8L per minute
- * Rate = 16-20
- * Vt = 4-6cc/kg
- * ETCO₂ – 30 to 40
- * VQ mismatch occurs due to increased positive pressure in the chest and decreased BP reducing flow through the capillary beds
- * Early pressers and fluids
- * Monitor pPLATs and PIPs
- * COVID/ARDS will cause protein rich fluid to leak into alveoli causing a decrease in gas exchange



CLAMP THE TUBE

- * Preserve PEEP
- * Reduce Exposure



EASY CAP

- * Directly on the tube
- * Stops fluids & debris



VENT FILTER

- * Place between PT and circuit



ETCO₂

- * Detect VQ mismatch
- * Metabolic compensation

PRESSURE CONTROL

- * Preferred mode
- * Must monitor VtE
- * VtE = 4-6cc/kg of IDBW

CIRCUIT

- * Added weight could cause a kinked tube
- * Support as necessary

DEAD SPACE

- * Minimal as possible
- * Added devices/tubing increases anatomical dead space
- * Overcome dead space by increasing Vt

Example Circuit

