

OXYGENATION GOAL:**PaO₂ 55-80 mm Hg or SpO₂ 88-95%**Use incremental FiO₂/PEEP combinations below to achieve goal:

FiO ₂	0.3	0.4	0.4	0.5	0.5	0.6	0.7	0.7
PEEP	5	5	8	8	10	10	10	12
FiO ₂	0.7	0.8	0.9	0.9	0.9	1.0	1.0	1.0
PEEP	14	14	14	16	18	20	22	24

PLATEAU PRESSURE GOAL: ≤30 cm H₂OCheck Pplat (0.5 sec insp. Pause), SpO₂, total RR, TV and pH at least q4h and after each change in PEEP or TVIf Pplat > 30 cm H₂O: decrease TV by 1 mL/kg steps (min = 4 mL/kg)If Pplat < 25 cm H₂O: increase TV by 1 mL/kg until Pplat > 25 cm H₂O or TV > 25 cm H₂O or TV = 6 mL/kg**pH GOAL:** 7.25-7.45*Acidosis Management:*

pH < 7.25 but ≥7.20

1. Notify ICU resident of pH < 7.25
2. Increase RR until pH > 7.25 or PaCO₂ < 25
3. If RR = 35 and/or PaCO₂ < 25, MAY give NaHCO₃ or choose to leave as is until pH < 7.20

pH < 7.20

1. Increase RR to 35 (if not already 35)
2. If pH remains < 7.20 and NaHCO₃ considered or infused, TV may be increased in 1 mL/kg steps until pH > 7.20 (Pplat target may be exceeded)

Alkalosis Management (pH > 7.45)

1. Decrease ventilator rate if possible.

I:E RATIO GOAL: 1:1 to 1:3. Adjust flow rate to achieve goal.If FiO₂ = 1.0 and PEEP = 24 cm H₂O, may adjust I:E to 1:1.