EmergencyKT: Mechanical Ventilation in the ED

Can the patient use NIPPV?*

Yes

Does patient need assistance only with oxygenation?

No

Yes

Bipap

No

CPAP

ASTHMA / COPD

VC-SIMV Vt 6-8ml/kg
Rate 6-10
fO₂ 1.0
I:E 1:3
PEEP 5

Draw ABG 30 minutes after intubation

CONGESTIVE HEART FAILURE

VC-SIMV Vt 8ml/kg
Rate 12-14
fO₂ 1.0
PEEP 8*
*(If SBP is less than 90, use PEEP 5)

Draw ABG 30 minutes after intubation

SEPSIS / PRESUMED SEPSIS

VC-SIMV Vt 8ml/kg*
Rate 18-20
fO₂ 1.0
PEEP 5
*(If Plateau Pressure is greater than 30, decrease Vt to 6ml/kg)

Draw ABG 30 minutes after intubation