

Respiratory support

Ventilator

Invasive with ETT in place

Non-invasive with nasal prongs (NIPPV or NIMV)

Nasal CPAP

Vapotherm (High Flow)

Nasal cannula (Low flow)

Initial settings on Ventilator:

Depends upon the disease pathology, Give oxygen per Sats – see PaO₂ and SaO₂, discuss with RRT and NP, obtain blood gas within 20 mins and readjust.

Conventional: Volume/ Pressure

Volume: PRVC 5-8 ml/kg, Rate 40, IT 0.3

Pressure: PIP 20, PEEP 5, Rate 40, IT 0.3

High Frequency:

Oscillator: MAP 8-10, amplitude 20-25 (chest wiggle), Hz 10, IT 33%

Jet with Back up vent: Rate 360, IT 0.02 secs, back up rate 2-4, PIP and PEEP per chest rise

NIPPV/NIMV: PIP 20, PEEP 5, Rate 40, IT 0.3

Nasal CPAP: + 7 PEEP, adjust flow 10-15 to attain the required PEEP

Vapotherm (High Flow): Flow 4-6 L

Nasal cannula (low flow): 0.1-2 LPM