



THE UNIVERSITY OF TOLEDO
MEDICAL CENTER

Department of Respiratory Care
Surgical Critical Care
Ventilator Weaning Protocol

Patients who fall within the criteria for a Daily Spontaneous Breathing Trial (DSBT) shall receive a trial Qday unless otherwise directed by the attending intensivist.

Initial Vent settings

Modality	SIMV
Rate	10-12 bpm
FiO ₂	100%
Tidal Volume	7-10 ml/kg IBW
Peep	5 - 8 cm H ₂ O
PSV	5 - cm H ₂ O

Obtain an ABG 20 - 30 minutes after settled on ventilator

Wean FIO₂ by 20% q20 min to keep SpO₂ > 92 %

If the patient maintains a stable and normal hemodynamic status after 2 hrs, turn off sedation and tube feedings

Heart rate 60 - 100 bpm
RR < 30
Blood pressure
 systolic 90 - 130 mmHg
 diastolic 60 - 90 mmHg
SpO₂ > 92 % on 40% FiO₂

Wean vent rate to 4, monitor minute volume, SpO₂, HR, RR, and BP

If pt is hemodynamically stable after 20 min and can perform a head lift, change to CPAP

Obtain NIF (>-20)

RSBI (<105)

Minute volume 6 - 12 lpm

SpO₂ > 92 %

If all within normal limits, extubate pt
Apply O₂ to maintain SpO₂ > 92%
Institute NIV if needed

If at any time during weaning hemodynamic parameters increase or decrease 20% from baseline return patient to initial vent setting, document and call physician

Malloy J William

4/19/11

Physician signature and date

Lisa Bonamico, PRT 4/19/2011

Director of Respiratory Care and date

Monica Smith RN, BSN 4-19-2011

ICU Nursing director and date