| Ø c | Department: | Date Originated: Feb 1999 |
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| Providence HEALTH CARE | Respiratory Services | Date Reviewed/Revised: June 2011 |
| EXHIBIT | Topic: Critical Care - Weaning Protocol for ICU/CICU (Policy and Protocol) (Respiratory Therapy) | Related Links: RTD5032 – Weaning Protocol for ICU/CICU, Protocol For |
| | Number: B-00-13-12001 | |

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APPLICABLE SITES:

St. Paul's Hospital

Weaning Protocol for ICU/CICU RTD6032 Daily Screening: (All of the following conditions must be met) Adequate oxygenation: PaO₂/FiO₂ ratio > 150, PEEP ≤ 8 cmH₂O 2. No significant respiratory acidosis NO 3. Hemodynamically stable: minimal vasopressor agents (dopamine ≤ 5 µg/kg/min acceptable), stable heart rate/rhythm Resume current ventilation 4. Adequate mentation: minimal sedative agents (intermittent dosing acceptable), able to initiate spontaneous breaths 5. f/Vt ratio ≤ 105 (measured after 1 minute on CPAP = 0, PS = 0) Spontaneous breathing trial (SBT): CPAP with PS of 5 cmH2O for 2 hours *NOTE: In CICU, use T-piece for spontaneous breathing trial (unless otherwise ordered by the ICU attending physician* Trial will be stopped if 2 or more of the following are observed: a. RR > 35 breaths/minute for > 5 minutes b...SaQ2 < 90% c. HR > 120-140 beats/minute d. Sustained ↑ or ↓ in HR by ≥ 20% Systolic BP > 180 mmHg or < 90 mmHg Increased anxiety and/or Diaphoresis Successful trial? If the trial is stopped, increase PS in 5 cmH₂O increments until the above conditions have corrected (up to a maximum PS Physician notification - Documentation level of 25 cmH2O). *NOTE: In CICU, put patient back on the ventilator and then Trial successful – consider extubation then proceed as above* If the patient does not recover on higher levels of PS, return previous maintenance mode of ventilation (eg. Assist/Control, Pressure Control). Consider Extubation

NOTE: If the trial was stopped, the patient will be reassessed for weaning tolerance the next morning.

Each patient will be assessed daily for weaning tolerance until extubated.