

**PARKLAND COLLEGE  
RESPIRATORY THERAPY PROGRAM**

**CRITICAL CARE WORKSHEET**

Student Name \_\_\_\_\_ Hospital \_\_\_\_\_ Date \_\_\_\_\_

Patient's Age \_\_\_\_\_ Diagnosis \_\_\_\_\_

Height \_\_\_\_\_ Weight \_\_\_\_\_ IBW \_\_\_\_\_ Submit this form with **SOAP** attached.

Define the diagnosis:

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List all medications and purpose of each

List patient medical history. How does history impact this stay?

Indication for mechanical ventilator \_\_\_\_\_

What pathophysiology led to the above indication?

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ABG's right **before** vent placement \_\_\_\_\_

Interpretation of above ABG: \_\_\_\_\_

**Initial Ventilator orders:**

Initial Vent set-up date \_\_\_\_\_

| <b>Parameter</b>     | <b>Value</b> | <b>Why was this setting chosen? What is significant about this value?</b> |
|----------------------|--------------|---|
| Mode                 |              |   |
| Set $V_t$            |              |   |
| Spont $V_t$          |              |   |
| Set Rate             |              |   |
| Total RR             |              |   |
| PEEP                 |              |   |
| $FiO_2$              |              |   |
| I:E                  |              |   |
| Flow Rate            |              |   |
| PS or PC             |              |   |
| PIP                  |              |   |
| MAP                  |              |   |
| $P_{\text{Plateau}}$ |              |   |
|                      |              |   |
| Auto PEEP            |              |   |
| $C_L$                |              |   |
| $R_{AW}$             |              |   |

Explain the interaction between patient/ventilator using this mode. Example- SIMV + PS, patient is receiving mandatory and spontaneous breaths. Tell whether the mandatory breath is volume or pressure and whether spont. breath is receiving pressure support.

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Draw the airway pressure curve for this mode.

**Today's Ventilator orders:**

Current Date \_\_\_\_\_

| <b>Parameter</b>     | <b>Value</b> | <b>Why was this setting chosen? What is significant about this value?</b> |
|----------------------|--------------|---|
| Mode                 |              |   |
| Set $V_t$            |              |   |
| Spont $V_t$          |              |   |
| Set Rate             |              |   |
| Total RR             |              |   |
| PEEP                 |              |   |
| $FiO_2$              |              |   |
| I:E                  |              |   |
| Flow Rate            |              |   |
| PS or PC             |              |   |
| PIP                  |              |   |
| MAP                  |              |   |
| $P_{\text{Plateau}}$ |              |   |
|                      |              |   |
| Auto PEEP            |              |   |
| $C_L$                |              |   |
| $R_{AW}$             |              |   |

Latest ABG \_\_\_\_\_

Interpretation \_\_\_\_\_

Today's Pulmonary Mechanics:

NIF \_\_\_\_\_ R.R. \_\_\_\_\_ VC \_\_\_\_\_ P0.1 \_\_\_\_\_  
V<sub>t</sub> \_\_\_\_\_ MV \_\_\_\_\_ RSBI \_\_\_\_\_ Other \_\_\_\_\_

Interpretation of Above Mechanics:

Calculate your patient's time constant:

If your patient's compliance/resistance is abnormal, list likely causes specific to this patient.

How can you correct these values; if correctable? If not correctable, discuss reason.

Weaning Method:

Describe method being used. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

What, if any, factors are keeping your patient on the ventilator.

\_\_\_\_\_  
\_\_\_\_\_

VAP Prevention: What strategies are in place in this patient TODAY to prevent VAP?

Top Active Problems affecting Ventilation or Weaning from Ventilator:

1. Problem \_\_\_\_\_

Pathophysiologic reasons\_\_\_\_\_

Treatment\_\_\_\_\_

How do you verify tx efficacy?\_\_\_\_\_

\_\_\_\_\_

2. Problem \_\_\_\_\_

Pathophysiologic reasons\_\_\_\_\_

Treatment\_\_\_\_\_

How do you verify tx efficacy?\_\_\_\_\_

\_\_\_\_\_

3. Problem \_\_\_\_\_

Pathophysiologic reasons\_\_\_\_\_

Treatment\_\_\_\_\_

How do you verify tx efficacy?\_\_\_\_\_

\_\_\_\_\_

4. Problem \_\_\_\_\_

Pathophysiologic reasons\_\_\_\_\_

Treatment\_\_\_\_\_

How do you verify tx efficacy?\_\_\_\_\_

\_\_\_\_\_

### Hemodynamic Data

| <b>Parameter</b>               | <b>Value</b> | <b>What information does this value provide?<br/>What is significant about this value?</b> |
|--------------------------------|--------------|--|
| BP                             |              |  |
| MAP                            |              |  |
| CO                             |              |  |
| CVP                            |              |  |
| PCWP                           |              |  |
| PAP                            |              |  |
| SV                             |              |  |
| PVR                            |              |  |
| SVR                            |              |  |
| Pulse Pressure                 |              |  |
|                                |              |  |
| CaO <sub>2</sub>               |              |  |
| CvO <sub>2</sub>               |              |  |
| C(a-v)O <sub>2</sub>           |              |  |
| PAO <sub>2</sub>               |              |  |
| P(A-a)O <sub>2</sub>           |              |  |
| CaO <sub>2</sub>               |              |  |
| P/F                            |              |  |
| Qs/Qt                          |              |  |
| V <sub>D</sub> /V <sub>t</sub> |              |  |

What do these values tell you about your patient?

**Laboratory Data**

| <b>Parameter</b>              | <b>Value</b> | <b>Why was this test done?<br/>What is significant about this value?</b> |
|-------------------------------|--------------|--|
| K+                            |              |  |
| Na+                           |              |  |
| Cl-                           |              |  |
| HCO <sub>3</sub> <sup>-</sup> |              |  |
| Anion Gap                     |              |  |
| BUN                           |              |  |
| Creatinine                    |              |  |
| RBC/ Hgb/Hct                  |              |  |
| WBC<br>(list abnormal types)  |              |  |
| Sputum<br>Culture             |              |  |
| Urinalysis                    |              |  |
| Coagulation<br>Studies        |              |  |
| BNP                           |              |  |
| CKMB                          |              |  |
| Blood Culture                 |              |  |
|                               |              |  |
|                               |              |  |
|                               |              |  |

What do these lab values tell you about your patient?