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#### Resources

#### **Waveform Website**

Reading, Chapter A	Reading, Chapter B
Reading, Chapter C	Reading, Chapter D
Reading, Chapter E	Reading, Chapter F
Reading, Chapter G	Reading, Chapter H

## **Deadlines**

date	item
sep 30	chapter A
sep 30*	schedule chapters B, C, D
nov 15	waveforms set 1
dec 15	chapter D
apr 17	waveforms set 2
may 15	chapter H
jun 16	final assessment

<sup>\*</sup>recommended, not hard deadline

# **Action Items**

### **Wave forms**

Waveform Submission Template

#### **Due Nov 15**

#### **Normal Waveforms (all)**

- □ Normal Pressure Control Breath
- □ Normal Volume Control Square Waveform Breath
- $\square$  Normal Volume Control Decelerating Waveform Breath
- □ Normal Volume Targeted Breath
- □ Normal Passive Expiration
- □ Normal Pressure Support Breath

#### Maneuvers (all)

• □ Plateau pressure (Pplat) measurement

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<ul> <li>□ Serial Measurement of Pplat at different PEEP levels</li> <li>□ Measurement of Static Compliance</li> <li>□ Measurement of Inspiratory Resistance</li> <li>□ Calculating Tau</li> <li>□ Measurement of zero autoPEEP</li> <li>□ Measurement of AutoPEEP &gt; 2 cmH2O</li> </ul>
Features Concerning for the Presence of autoPEEP (>=1 of any of)
<ul> <li>□ Unequal Areas of Flow-Time Curve</li> <li>□ Persistent End Expiratory Flow</li> <li>□ Ineffective Triggering - if submitting as feature of autoPEEP, please also submit screen showing measured autoPEEP</li> </ul>
Expiratory Asynchronies (all)
<ul> <li>□ Active expiration</li> <li>□ AutoPEEP (as noted above) and Management</li> </ul>
Trigger Asynchronies (all)
<ul> <li>□ Autotrigger and Management</li> <li>□ Ineffective Trigger and Management</li> <li>□ Reverse Trigger and Management</li> <li>□ Double Trigger and Management</li> </ul>
Due Apr 17
Flow Asynchronies (all)
<ul> <li>□ Flow Starvation on Pressure Control and Management</li> <li>□ Flow Starvation on Volume Control Decelerating Waveform and Management</li> <li>□ Flow Starvation on Volume Targeted and Management</li> </ul>

#### **Cycle Asynchronies (all)**

- $\square$  Premature Cycling on Pressure Control and Management
- $\square$  Premature Cycling on Volume Control and Management
- $\square$  Delayed Cycling on Pressure Control and Management
- $\square$  Delayed Cycling on Volume Control and Management

### Other Cases and Maneuvers (>=2 of)

•  $\square$  Breath Termination on Pressure Support Ventilation (PSV) - Expiratory Sensitivity (ESENS) adjustment for patient on PSV \* <todo>Recruitment-Inflation Ratio Measurement \*

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<todo>Increased Pressure-Time Product

- □ Dynamic Airway Collapse During Exhalation
- □ APRV
- Esophageal Manometry Guiding PEEP Titration
- □ Low-Flow Pressure Volume Loop
- ☐ Mechanical Ventilation on VV ECMO

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