

## Resources

### Waveform Website

<a href="#">Reading, Chapter A</a>	<a href="#">Reading, Chapter B</a>
<a href="#">Reading, Chapter C</a>	<a href="#">Reading, Chapter D</a>
<a href="#">Reading, Chapter E</a>	<a href="#">Reading, Chapter F</a>
<a href="#">Reading, Chapter G</a>	<a href="#">Reading, Chapter H</a>

## 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

\*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
- Normal Volume Control Decelerating Waveform Breath
- Normal Volume Targeted Breath
- Normal Passive Expiration
- Normal Pressure Support Breath

#### Maneuvers (all)

- Plateau pressure (Pplat) measurement

- Serial Measurement of Pplat at different PEEP levels
- Measurement of Static Compliance
- Measurement of Inspiratory Resistance
- Calculating Tau
- Measurement of zero autoPEEP
- Measurement of AutoPEEP >2 cmH2O

### Features Concerning for the Presence of autoPEEP (>=1 of any of)

- Unequal Areas of Flow-Time Curve
- Persistent End Expiratory Flow
- Ineffective Triggering - if submitting as feature of autoPEEP, please also submit screen showing measured autoPEEP </auto> === Expiratory Asynchronies (all)=== \* <todo>Active expiration
- AutoPEEP (as noted above) and Management

### Trigger Asynchronies (all)

- Autotrigger and Management
- Ineffective Trigger and Management
- Reverse Trigger and Management
- Double Trigger and Management

## Due Apr 17

### Flow Asynchronies (all)

- Flow Starvation on Pressure Control and Management
- Flow Starvation on Volume Control Decelerating Waveform and Management
- Flow Starvation on Volume Targeted and Management

### Cycle Asynchronies (all)

- Premature Cycling on Pressure Control and Management
- Premature Cycling on Volume Control and Management
- Delayed Cycling on Pressure Control and Management
- Delayed Cycling on Volume Control and Management

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

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