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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 |

^{*}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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|---|
| □ 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 ===Expiratory Asynchronies (all)=== * <todo>Active expiration</todo> □ 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 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 * <todo>Increased Pressure-Time Product
- □ Dynamic Airway Collapse During Exhalation
- □ APRV
- Esophageal Manometry Guiding PEEP Titration

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- □ Low-Flow Pressure Volume Loop
- ☐ Mechanical Ventilation on VV ECMO

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