**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
- ☐ 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 ===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 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