

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
- [✓ admin, 2025-08-16] ~~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

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