GE Healthcare

FRC INview
Direct, real-time measurement of FRC in ventilated patients

Get a Clear View of FRC
Measuring the Functional Residual Capacity (FRC) of the lungs provides vital data for assessing lung volume in patients with acute respiratory failure. However, methods of measuring FRC on ventilated patients have been extremely problematic and/or costly, typically requiring interruption of ventilation and the use of non-medical gas sources.

FRC INview, an innovative technology from GE Healthcare, is the first to provide direct, real-time, automated measurement of FRC without interruption of ventilation and without additional gas sources.

An optional upgrade to the Engström Carestation, FRC INview enables clinicians to obtain an exceptional measurement of lung volume—immediately as a single measurement or as a series of measurements. Specifically, FRC INview makes it possible to:

- Evaluate the effectiveness of recruitment maneuvers. With FRC INview you can see before/after comparisons of recruitment procedures, so you can determine whether a specific change in ventilation improves FRC.
- Assess the progression of the disease or injury. FRC INview allows you to monitor FRC trends over selected time intervals, giving you valuable data for evaluating the patient’s pulmonary function and helping to improve treatment options.
- Determine the “best PEEP” for a patient. FRC INview provides data that can be used in conjunction with PEEP INview and Lung INview to assess PEEP settings.

In short, FRC INview is an exciting technique that can expedite and help optimize the evaluation of lung volume in patients with acute respiratory failure.

FRC INview Advantages
- No interruption in mechanical ventilation parameters
- Bedside technology integrated into the ventilator
- No additional gas source required
- Automated FRC measurement; single or sequential measurements
- Proven, validated nitrogen washout technique
- Simple, easy-to-read interface
  - FRC displayed both numerically and graphically
  - PEEP e+i displayed with each FRC
- Event logs for FRC measurements, ventilator settings, and procedures that may affect FRC
- Trend and mini-trend data for all set parameters
Engstrom Carestation Highlights

• Integrated ventilation and monitoring
• Metabolics, advanced monitoring parameters, and gas exchange measurements via plug-and-play modules
• Direct lung volume measurement with FRC/INview
• Easy to maintain, low cost of ownership
• Adaptable and flexible to your environment—NICU through Step-down
• Advanced aerosolized medication delivery via Aeroneb® Pro and Aeroneb Solo
• Dual-mode (pressure controlled volume guarantee) and Non-Invasive (NIV) ventilation capability (optional)