**Lung conditions at-a-glance, using ASV**

In ASV mode, the Dynamic Lung and ASV Graph, together with RC\text{exp} value, provide visual insight to the patient’s lung condition.

### Normal lungs

![Diagram of normal lungs]  
**0.58**  
\( \text{RC}_{\text{exp}} \)  
\( \text{Rinsp} \) (cmH\(_2\)O s/l)  
\( \text{Cstat} \) (ml/cmH\(_2\)O)  

- **Wide square-shaped safety window**

- **RC\text{exp}**: 0.50 – 0.70  
- **Rinsp**: 10 – 15  
- **Cstat**: 45 – 65

### Obstructive lung diseases

![Diagram of obstructive lungs]  
**1.48**  
\( \text{RC}_{\text{exp}} \)  
\( \text{Rinsp} \) (cmH\(_2\)O s/l)  
\( \text{Cstat} \) (ml/cmH\(_2\)O)  

- **Narrow and high safety window**

- **RC\text{exp}**: > 0.70  
- **Rinsp**: 16 – 33  
- **Cstat**: 50 – 80

* A long RC\text{exp} (> 0.70 s) indicates increased resistance due to the patient and/or the endotracheal tube: COPD, asthma, bronchospasm, endotracheal tube obstruction, and the like.  

### Restrictive lung diseases

![Diagram of restrictive lungs]  
**0.34**  
\( \text{RC}_{\text{exp}} \)  
\( \text{Rinsp} \) (cmH\(_2\)O s/l)  
\( \text{Cstat} \) (ml/cmH\(_2\)O)  

- **Low and wide safety window** (low compliance = stiff lung)

- **RC\text{exp}**: < 0.50  
- **Rinsp**: 10 – 15  
- **Cstat**: < 45

* A short RC\text{exp} (< 0.50 s) indicates decreased compliance due to the lung and/or the chest wall: ARDS, lung fibrosis, atelectasis, kyphoscoliosis, increased abdominal pressure, and the like.  

### Mixed conditions

![Diagram of mixed conditions]  
**0.68**  
\( \text{RC}_{\text{exp}} \)  
\( \text{Rinsp} \) (cmH\(_2\)O s/l)  
\( \text{Cstat} \) (ml/cmH\(_2\)O)  

- **Narrow rectangular safety window**

- **RC\text{exp}**: 0.50 – 0.70  
- **Rinsp**: > 16  
- **Cstat**: < 45

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