Prevention of ventilator induced lung injury (VILI) is one of the most important issues in patient management. Understanding lung recruitability and the setting of optimal PEEP is not easy unless you have a tool that provides this information.

Bellavista’s Lung Recruitment Tool (LRT) provides the clinician all relevant information in a reliable, reproducible and easy way.

The bellavista Lung Recruitment Tool is an automatic maneuver that determines recruitability and subsequent recruitment in two steps. The first step is to perform an assessment maneuver, to verify if the patient lung is recruitable. After the assessment maneuver there are two independent cursors where you can estimate e.g. the optimal PEEP or the recruitability of the patients lung. In a second step you can recruit the lung with setting a pause ($T_{\text{recruit}}$) and measure the recruitable volume.

**Assessment**
Screen after an assessment maneuver. The curve can be analysed with two cursors, to find e.g. inflection points or the lung closing pressure. A volume difference curve can be used as an additional guidance. Seven monitoring parameters are displayed to support your decisions to set up a lung protective strategy.

**Recruitment**
Screen after a recruitment maneuver. The recruited volume after $P_{\text{max}}$ is shown here as a blue graph and also as a monitoring parameter. A recruitment time ($T_{\text{recruit}}$) of 10 seconds and a PEEP after the maneuver of 15 mbar were adjusted here.
Comparison

With the use of the comparison tab you will be able to compare the course of the assessments and recruitment you made. Up to 50 screenshots can be made and be exported via USB.

bellavista Lung Recruitment Tool is available as an option in bellavista 1000 and integrated in bellavista 1000 e.

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