THE BIGGEST RISK LIES IN WHAT WE CAN'T SEE. ENLIGHT YOUR WAY.

Patients in the ICU are in constant need of adjustments, either on medications, ventilatory support, positioning and others. Mechanical ventilation is an intricate, dynamic and potentially dangerous process that entails complex tradeoffs.

Lungs are challenging to ventilate, heterogeneous, requiring regional information to set the correct parameters and avoid distinct behaviors, such as areas suffering from hyperdistension while others collapse.

With ENLIGHT 2100, you have the possibility to visualize your patient's lung at bedside, without radiation and risks of transportation, with clinical tools that can guide you to solve your main ventilation challenges in the ICU.

It provides real-time facts, freeing caregivers from the limitation of making decisions based on assumptions and protecting them from the hidden dangers and unwanted side effects caused by standard mechanical ventilation.

Our CE certified Electrical Impedance Tomography measures the impedance variation from surface electrodes placed around the patient's thorax, to provide clear, real-time and intuitive images and measurements of regional distribution of ventilation and perfusion within the lungs.

The belts are compatible with neonatal, pediatric and adult patients. ENLIGHT 2100 has its own flow sensor, allowing it to be used in conjunction with all mechanical ventilators.

NOW YOU HAVE THE KNOWLEDGE. NOW YOU CAN CHOOSE. FOR EACH PATIENT. IN REAL TIME.

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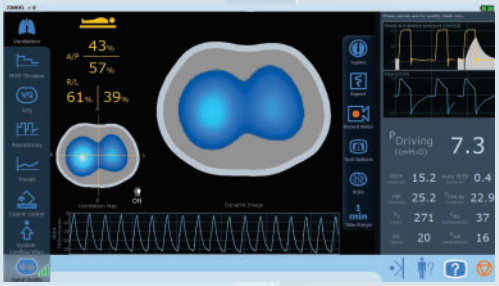
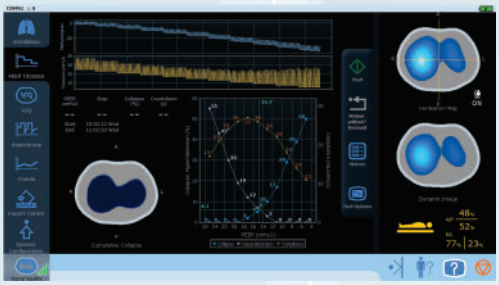
1. The Ventilation Screen shows the tidal volume distribution in different regions of the lungs. A ventilation map is updated breath by breath, revealing regions of the lungs that are well ventilated and those that are not. The dynamic image shows the air coming in and out, with possible asynchronies. In addition, the regional and global plethysmogram and distribution ratios can provide instantaneous visual feedback of each patient's individual response to interventions, making it easy to identify situations of uneven ventilation.

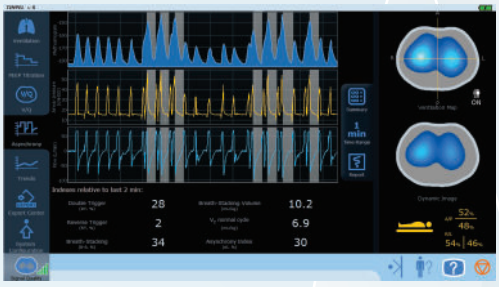


2. With the PEEP Titration Tool, you can quickly determine and quantify collapsed and hyperdistended regions of the lungs as PEEP is changed. By showing the immediate response to different levels of pressure, the caregivers can understand what is happening inside the lungs, personalizing the treatment to the patient´s needs.



3. The assessment of the regional match between ventilation and perfusion in critically ill patients requires simultaneous measurements of both parameters. The V/Q Tool makes it possible to identify mismatch in the V/Q ratio in order to understand the underlying cause of hypoxemia and promote targeted intervention, (and to monitor the V/Q ratio over time to obtain immediate feedback on the success of this intervention), at the bedside.

4. The Asynchrony Tool smartly integrates ventilator and EIT signals, allowing early detection of important problems related to patient-ventilator interaction that require an individualized resetting of ventilator parameters. The caregiver receives immediate feedback of whether a certain intervention has succeeded in solving the problem.



5. Trends is an interactive tool that allows synchronized visualization of EIT data, ventilation parameters and lung mechanics, making it easier to detect events and intuitively interpret the data. With easy touchscreen navigation, it is also possible to create maps with the compliance and ventilation changes and analyze and compare the lung behavior in each PEEP step.

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