The Perseus® A500 is empowered with new software functions which integrate ventilation techniques, enhanced self-test, and data export functions to improve ventilation therapy quality and efficiency in the OR. Combined with Infinity® Acute Care System (IACS) patient monitoring, Perseus® A500 can considerably contribute to patient outcome and workflow enhancement.

Dräger Perseus® A500
Anaesthesia Workstation Software 2.0

**STATE-OF-THE-ART LUNG RECRUITMENT TOOL**

Perseus A500’s outstanding ventilation performance has been even further improved with key ICU ventilation techniques to incorporate lung-protective strategies in the OR. The innovative lung recruitment function comprises two commonly used methods to open collapsed alveoli. Together with comprehensive patient monitoring capabilities, these functions can support the anesthetist to perform a safe, effective, and assessable manoeuvre that can be easily used and adapted to the individual patient’s needs.

**Safe – Open the lung safely and gently because it matters**

The new recruitment function offers one-step and multi-step methods to perform the manoeuvres. It gives the opportunity to tailor the manoeuvre according to the patient’s individual needs and lung status to enable a safe and gentle recruitment.

**Intuitive – Less complexity, more intuitive functionality**

The automation of these manoeuvres ensures a smooth recruitment manoeuvre (RM) and resumes ventilation therapy afterwards. A reminder function supports the periodical application of RMs. Those functionalities lead to minimised user actions, less distraction, and reduced workload.

**Assessable – Empowered with data to improve outcome**

Relevant lung mechanics data (compliance trends and P/V loops) and IACS patient monitoring parameters help to assess when and to whom to apply these manoeuvres, and to evaluate the outcome. This results in more transparency and confidence to deploy recruitment manoeuvres.

*optional*
FURTHER SOFTWARE ENHANCEMENTS WITH SOFTWARE 2.0

Advanced Ventilation Capabilities

Perseus® A500 SW 2.0 now also includes additional ventilation modes: Synchronised Volume Control (VC-SIMV) without (standard) and with (optional) interim Pressure Support breaths (VC-SIMV/PS).

View and Parameter Enhancements

The standard user interface has been further enhanced with additional parameters and possibilities to display loops or mini-trends in all situations.

Smart and Intuitive Self-test

The self-test has been further enhanced and now includes the possibility for a picture-based walk-through of the checklist and the option to verify O₂ delivery. The leakage test can prove the correct assembly of the breathing hoses and the Y-piece.

Logbook Export

The logbook export option allows to export all recorded user actions, alarms, self-test results, and gas consumption data onto a USB flash drive. This data can then be imported e.g. into spreadsheets for further data analysis. The export can be done for the last case, for all cases of the day, or for the entire logbook.

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