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healthcare within reach

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A7

Anesthesia Workstation

Visible Precision

Since 2006 Mindray has successfully installed over 20,000 units of anesthesia machine to customers all over the globe. We are glad and proud that every few seconds there would be a clinician somewhere on this planet switches on a Mindray anesthesia machine with satisfaction.

For the last decade, Mindray has continued to work closely with clinicians across the globe, to recognize and understand the clinical challenges encountered everyday and overcome them with new innovative and intuitive solutions. With this in mind, Mindray is now offering the new integrated anesthesia workstation solution A7.

Precise Control…

With new integrated innovative functions, the A7 enables you to precisely control the system as well as different types of patient easily.

A digital gas mixer with Low Flow Optimizer makes gas delivery precise and low flow possible. Lung recruitment helps you to treat obese patients and patients with lung disease.

Visible Anesthesia…

Never before, the A7 now supports you to view both now and future by not only an intuitive user interface, but an intuitive entire anesthesia process.

A7 has a unique prediction function which could track the trends of the FiAA, EtAA, FiO_2 and FtO_2 for the past, current and future situations. An integrated NMT module helps you to choose the optimal time for intubation. Integrated Lung Recruitment function helps you manage critical patients with lung disease.

Unparalleled User Experience…

The state-of-the-art design of the A7 anesthesia workstation helps you to get the era 2.0 user experience.

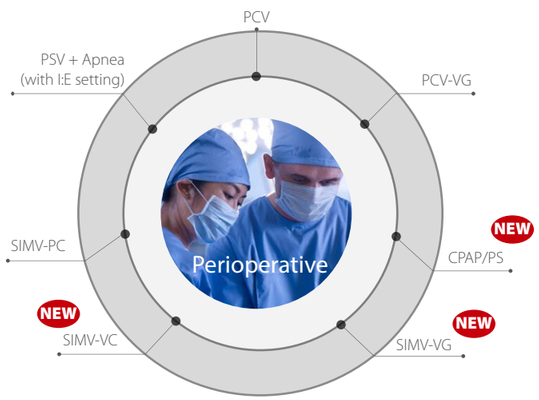
A fully touch screen UI, a Touch Pad and mouse control are suitable for both standing and sitting position. Digital Gas Mixer with both quick digital setting and traditional ease of use knobs, O_2+Air backup mechanical flow meter make the fresh gas adjusting unparalleled easy.

Precise Control…

Enjoy maximum performance at all stages of anesthesia

A full range of ICU grade ventilation modes meet your demands through all the stages of anesthesia.

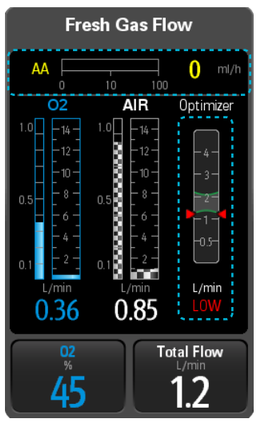
- PCV
- PCV-VG
- SIMV-VC
- SIMV-PC
- SIMV-VG (new)
- PSV + Apnea (with I:E setting) (new)
- CPAP/PS (new)



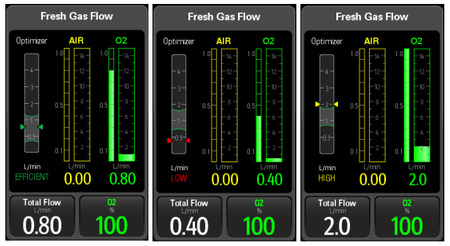
Digital gas mixer with safe low flow by Optimizer

The digital gas mixer makes fresh gas flow setting easier and more precise.

The fresh gas glow Optimizer indicates the recommended fresh gas flow setting against your current setting value and the minimum O_2 needed of the patient. It enables a safe low flow and minimize the waste of anesthetic agents and medical gases.



AA Measurement



FGF Optimizer

Precise Monitoring

With improved single slot CO_2 module or double slot anesthetic agent capability the Mindray Plug-and-Play Multi-Gas modules provide comprehensive breath-by-breath analysis of FiO_2, EtO_2, CO_2, N2O, auto-detection of five anesthetic agents, as well as BIS & NMT.
AA Measurement: The new anesthetic agent calculation software enables you to monitor the real time agent consumption and keeps cost in mind.
Sample Gas return: The monitoring sample gas returns to breathing circuit, it saves the cost for medical gas and anesthetic agent as well as reducing the waste gas.

Digital Gas Mixer

new P-n-P monitoring

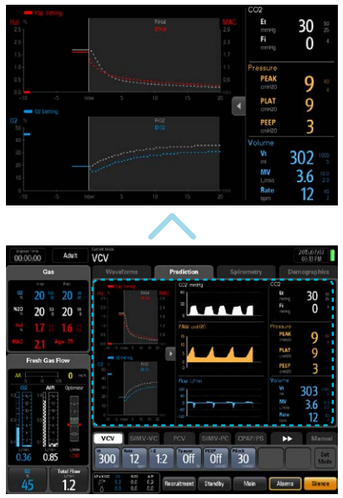
Visible Anesthesia...

AA Prediction

By the A7, it is possible to see the future of Anesthetic Agent, for both FiAA and EtAA. A full time trend of AA shows the trend of AA for the past, current and future together with MAC value.

O_2 Prediction

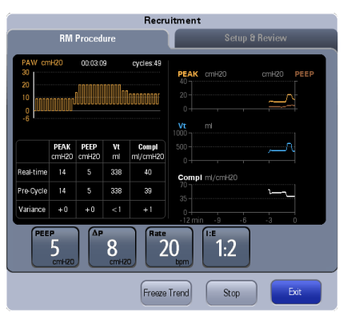
The same as AA Prediction, the trend shows the fresh gas flow O_2 trend for both FiO_2 and EtO_2.



AA & Oxygen Prediction

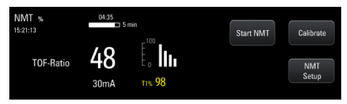
Lung Recruitment

The new Lung Recruitment function induces sustained improvements in gas exchange, respiratory mechanics, and may counteract detrimental effects of pneumoperitoneum in healthy and obese patients during laparoscopic surgery.



NMT monitoring for optimal time of intubation

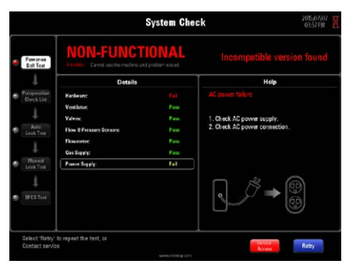
With the revolutionary integrated NMT module, muscle relaxation monitoring could be easily achieving on the A7, it helps decision-making to enable endotracheal intubation.



Visual Self-test and Smart Alarm

Visualizing the System Self-test procedure with graphs and charts to simplify complicated operation steps.
The Smart Alarm providing the real-time graphic information enables urgently correction of the fatal error more quickly.

Smart Alarm



Visual Self-test

Unparalleled User Experience…

Intuitive Flat Menu User Interface

Configured with a high resolution, intuitive, 15 inch display, users are able to view and configure parameters as required. The intuitive layout and simple flat-menu structure ensure all parameters are clearly displayed and only two steps required.

Complete Touch & Beyond

The revolutionary fully-touch and hard key-free control helps you to communicate with the anesthesia system like never before.
A back-up Touch Pad and mouse control enables easy control access for both standing and sitting position.

Fully Touch & Key-Free

Touch Pad

Easy FGF Adjusting

With the digital gas mixer, users could directly set the total flow and O_2 percentage, or the flow of O_2 and the balance gas respectively.
With the traditional easy to use knobs, users could set the FGF value by digital setting of adjusting the knobs.
A backup mechanical flowmeter with O_2+AIR will be ejected in case the digital gas mixer fails to work.

Digital Gas Mixer

Automatic backup Flowmeter

For more than half a century Mindray has been developing perioperative solutions with particular focus on easing the clinician's workload. With new technical breakthroughs in anesthesia delivery, advanced monitoring technology and information systems, Mindray can now offer the perioperative solution to our customers by the A7 anesthesia system and BeneView T9 OR monitor.

A7 + BeneView T9 OR

a powerful perioperative solution with new level of intergration

Better anesthesia induction solution

Muscle relaxation is used during general anesthesia to enable endotracheal intubation and to provide the surgeon with optimal working conditions. In critical care, muscle relaxation is used during mechanical ventilation to minimize the patient's work of breathing and to improve oxygenation.
Now with the A7 anesthesia system and BeneView T9 OR anesthesia monitor with interchangeable NMT & BIS module, the muscle relaxation monitoring could be easily reached.

Interactive anesthesia and patient monitoring system

Nowadays in OR, the patient monitor and anesthesia machine are normally as two independent devices, the user interfaces could be totally different and confuses anesthesia doctors. Besides that, there is little connection between the anesthesia machine and patient monitor.
Now with the dedicated anesthesia monitor BeneView T9 OR and advanced A7 anesthesia system, which have the family look and feel, unified user interface, and the two devices are integrated organically through data & module.

Seamless Data Transferring for Post-OP

One of challenges for Post-OP is that the patient data transferring from OR to PACU or General Ward. The information from anesthesia monitor or anesthesia machine hardly be reached out of the OR. That creates extra the workload of clinicians and increases the risks of patient safety due to data accuracy.
BeneView T1 guarantees continuity of patient data, even during transport.
All data collected during patient transport will automatically be uploaded to the central monitoring system when the T1 is returned to the BeneView patient monitor.

With unified user interface, the dedicated anesthesia monitor BeneView T9 OR and A7 anesthesia system are easy to learn and use. The two devices integrates organically through data & module sharing, forming a powerful Peri-OP workstation. It makes the operation workflow more efficient and the anesthesia control easier.