A5

Anaesthesia system

Fusion for Safety

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mindray

healthcare within reach

Integrated Solution, Together and Stronger

Combined intravenous-inhalational anaesthesia (CIVIA) typically involves the use of multiple anaesthetic drugs to achieve a balanced anaesthesia state while reducing the dosage of any single drug and its potential adverse reactions. However, this method faces several challenges in anaesthetic practice:

Multiple devices in scattered locations
Intravenous anaesthetics are delivered via pumps, while inhalational anaesthetics are delivered via anaesthesia machines. Anaesthesiologists must walk back and forth for observation and operation.

Vital signs on different interfaces
Due to patient variability, anaesthesiologists need to closely monitor vital signs. However, this information is dispersed across different devices, making it hard to assess.

Lack of a combined drug effect indicator
Anaesthesiologists need to understand the pharmacokinetics and pharmacodynamics of each anesthetic drug and consider the interaction between drugs, relying heavily on their experience.

AnaeSight™

AnaeSight™ is an integrated solution for combined intravenous-inhalational anaesthesia that connects anaesthesia machines, patient monitors, and pumps. This brings greater convenience to operations and more confident decision-making, significantly improving the safety and efficiency of anaesthesia.

Centralised control

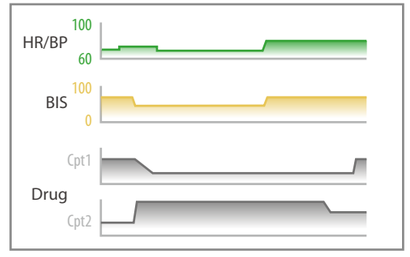
Anaesthesiologists can remotely control the pumps through the anaesthesia machine, adjusting intravenous and inhalational anaesthetics on the same interface.

Administer intravenous anaesthetics on anaesthesia machine

Brand new V60 anaesthetic vaporizers

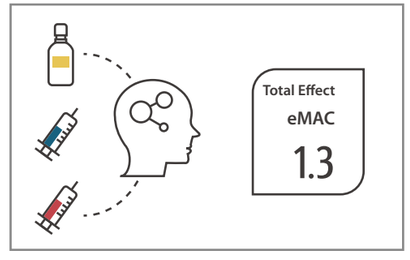
Integrated assessments

Vital sign parameters from the anaesthesia machine and patient monitor, as well as historical medication from pumps, can be displayed on the same window, making it convenient to comprehensively assess the patient's status.



Combined drug effect

An innovative indicator of the combined drug effect of multiple anaesthetics called eMAC™ is included in AnaeSight. This indicator is based on published pharmacokinetics and pharmacodynamics models, assisting with the administration of anaesthetic drugs.



Diversified Ventilation, Professional Care

As the population ages and issues like obesity become more prevalent, optimising ventilation management for patients during the perioperative period has become an important concern for anaesthesiologists. A5 offers a range of ventilation methods, including both intubated and non-intubated anaesthesia, to meet the needs of all patients.

High Flow Nasal Cannula HFNC

High flow nasal cannula (HFNC) plays an important role in maintaining safe oxygen saturation of patients as it extends the safe apnoeic oxygenation especially for patients with poor oxygen saturation such as bariatric, pediatric, critical ill or difficult airway.

- Direct setting of total flow and O_2 concentration with maximum flow up to 100L/min
- Built-in design with no additional gas or power source required, saving space and minimizing clutter

Jet ventilation HFJV

Jet ventilation can be used in shared airway surgeries, difficult airway cases, and more. It can improve patient safety by maintaining oxygenation while creating a better surgical field.

- Improved safety: superimposed jet ventilation to maintain patient oxygenation while avoiding CO_2 retention
- Smoother operation: quickly switch between jet and conventional ventilation
- More environmentally friendly: compact design, space-saving cluster

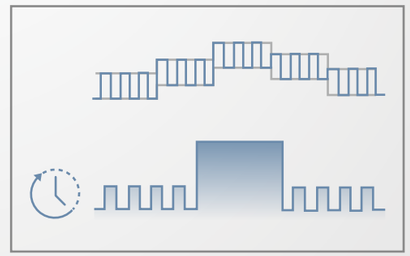
Experience optimal performance across all stages of anaesthesia

A full range of ventilation modes is available to meet the needs of patients of all ages, from adults to neonates. This enables precise ventilation care throughout the entire anaesthesia process.

Control	Assist	Spontaneous
VCV/PCV PCV-VG	SIMV-VC/ PC/VG	CPAP/PS APRV

Powerful Lung Recruitment Tool

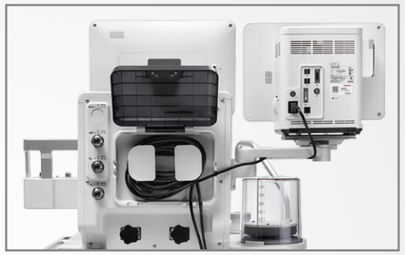
- Two optional maneuvers: stepwise PEEP or sustained inflation
- A scheduled recruitment maneunver can be performed automatically



More Flexible, More Reliable

The operating room environment is complex due to the presence of numerous equipment. Anaesthesiologists face heavy, fast-paced, and intense work every day. The new A5 anaesthesia system is equipped with a flexible design, intuitive interaction, and reliable performance. It helps anaesthesiologists deal with daily work easily in various anaesthesia environments.

15.6 inch capacitive touchscreen
with flexible rotation for 360 degree angle of view



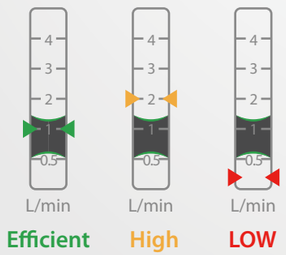
Neat cable management
clean and no tangle

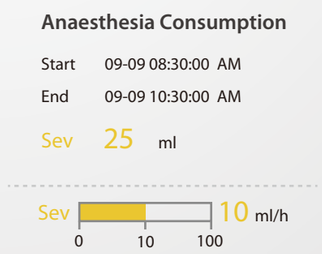
Integrated breathing system
- Reduce condensation to a minimum by the heating system
- Compatible with hot-steam sterilisation, preventing cross-infection

Plug-and-Play monitoring modules
- Optional CO_2, AG, BIS modules
- compatible with the Mindray modular patient monitor to reduce cost

Optional low-flow assist toolkit

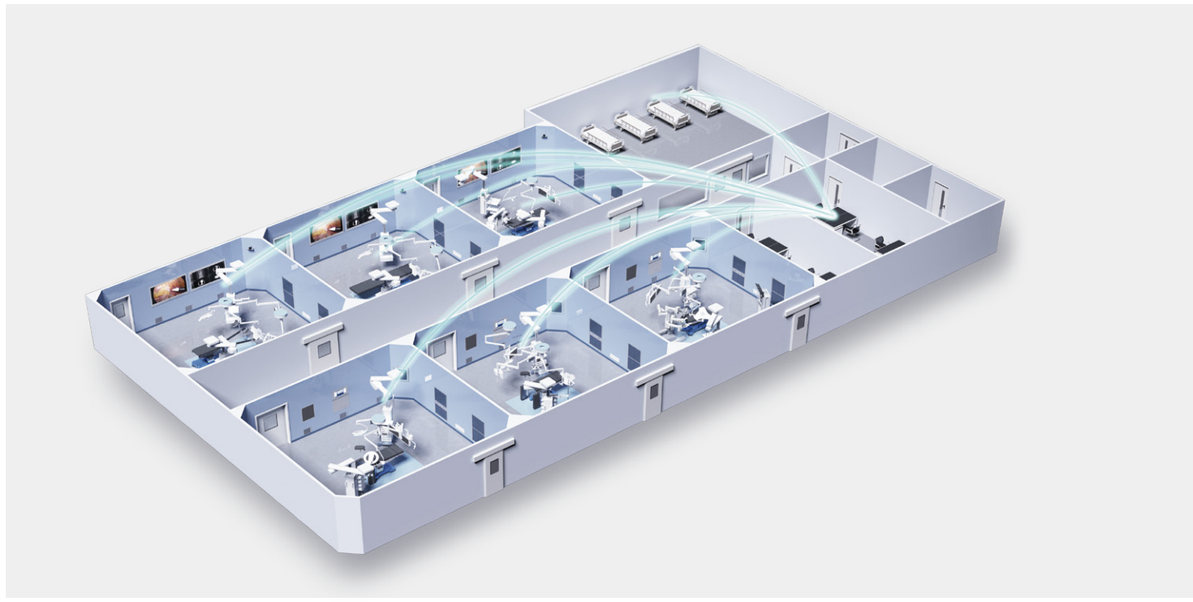
- Optimiser™: Real time guidance for cost-effective optimisation of the fresh gas flow
- AA measurement: monitor the anaesthetic agent consumption and keeps cost in mind





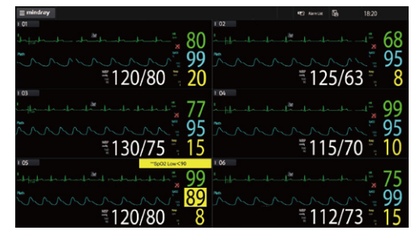
Stay Connected for Greater Efficiency

Comprehensively improve the operating efficiency of departments through information technology, make complicated work orderly, help clinical workers easily cope with various challenges, comprehensively improve the quality of medical services centered on patients, and realize lean management of all departments.



Overview of patient status in each operating room

- Monitor patient vital signs in real-time across all operating rooms
- Conveniently review the complete surgical process information of patients



Overview of the operational status of devices

- Overview of anaesthesia machine distribution and utilization
- Summary of anaesthesia machine self-test results
- Statistics of anaesthetic gas consumption

Not all features are for sale in all countries.

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