

# ANESTHESIA NEWS

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Dameca MRI 508 in the MR environment

## Dameca MRI 508—advanced MRI anaesthesia technology

Hospitals have long awaited an anaesthesia machine that can be used close to their MRI scanner. The Dameca MRI 508 is it – the first in the world to perform reliably and accurately right next to diagnostic equipment with a strong magnetic field.

Tests in cooperation with leading MRI scanner suppliers have confirmed that diagnostic images and ventilator functions are undisturbed by nearby scanner operations. Our innovative anaesthesia machine takes patient safety to a new level of excellence.

The benefits are many:

- Rated at 1,000 Gauss
- 3.0 Tesla approved
- Intuitive and user-friendly interface
- Integrated breathing system
- Microprocessor-controlled ventilator
- 8" high-resolution colour display
- 8 advanced ventilation modes, including PRVT as an option
- High-level safety features
- Space-saving design

## HLM ventilation— managing audio alarms without a sound...



During an open-heart surgery the Heart-Lung Machine takes over the functions of the heart and lungs. Hence the anaesthesia machine is disconnected from the patient and the Heart-Lung Machine performs the perfusion.

In this time period the anaesthetist can choose from different ventilation modes e.g. low flow ventilation to avoid atelectasis, without the noise nuisance from patient related audio alarms, which unintentionally disturbs the surgeon and the operation staff.

Furthermore, the silent alarm management gives the anaesthetist the possibility to preset the ventilator settings and set the ventilator in Stand-By mode so that the Siesta i TS anaesthesia machine is prepared when the patient returns to controlled ventilation.

### BENEFITS

- Alarm silence— even when the ventilator is running
- Optional ventilation modes during HLM perfusion
- Automatic cancellation of the HLM mode
- Active system alarms at any time

### SAFETY

To keep the high level of patient safety the Siesta i TS system alarms will be active at any time.

## Philips has acquired Dameca

Extract of Press Release...

Royal Philips Electronics (AEX: PHI, NYSE: PHG) has acquired Dameca. This acquisition marks an important step in the execution of Philips' strategy to expand its portfolio with integrated, advanced anaesthesia care solutions.

Along with Philips' expertise and well-established position in patient monitoring, interventional imaging systems, and clinical informatics solutions, Dameca further broadens Philips' current portfolio and provides opportunity for innovation in such areas as anaesthesia-related clinical decision support.

"The acquisition of Dameca is a proof-point of Philips' growth strategy and



Siesta i TS in the operating room with patient monitor - Philips IntelliVue MP50

ambitions to expand our anaesthesia care offerings by combining our strengths in patient monitoring, therapeutic care, and clinical informatics," said Steve Rusckowski, CEO for Philips Healthcare. "Dameca's anaesthesia machines are a significant complement to our current operating room portfolio and will enable us to offer an integrated solution that will simplify clinician workflow, improve financial outcomes for our customers, and help improve patient care."



## NEONATAL ventilation care with PRVT mode

Low tidal volume ventilation with PRVT mode is an optimal ventilation therapy that provides and maintains the best possible gas exchange to prevent chronic lung diseases and lung injury in premature infants.

Our technological advances have resulted in the optimum ventilation mode. Combining the neonatal ventilation and the Pressure Regulated Volume Target mode (PRVT) ensures that the patients get adequate ventilation therapy during surgery.

Increment	Set Tidal volume	Measured Tidal volume
1 ml	10 - 50 ml	00 - 50 ml
2 ml	50 - 100 ml	50 - 100 ml
5 ml	100 - 200 ml	100 - 200 ml
10 ml	200 - 1500 ml	200 - 2000 ml



Siesta i TS display in PRVT mode with Neonatal settings

### BENEFITS

- Best possible gas exchange
- Accurate volume measurements
- The flow sensor is placed in extension of the tube - preventing interference in volume measurements from system compliance
- Tidal volume down to 1-5 ml by setting the inspiratory pressure down to 4 hPa in PCV mode