

Background Information

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Dräger's non-invasive medical technology sets market benchmarks

Lübeck – Dräger has been developing Technology for Life for 120 years. Right from the beginning, the success of the Lübeck-based company has been determined by innovations: inventions such as the Pulmotor for time-controlled positive-negative ventilation, or the Evita series for patient-adapted ventilation, have allowed Dräger to set milestones. Dräger is now bundling its competence in the field of non-invasive medical technology on the Internet page www.draeger.com/non-invasive. Here, the company offers comprehensive background information, case studies and innovations for the use of non-invasive procedures.

In addition, Dräger now also presents its extensive portfolio of innovative devices for non-invasive diagnostics and therapy, including all its accessories. These include solutions for ventilation, monitoring and screening, which accompany the patient throughout his/her entire stay in hospital: from emergency medicine through the anaesthetic area and intensive care medicine to neonatology. Where medically acceptable, the use of non-invasive procedures can improve patient well-being^{3,8} and prevent complications during treatment⁹. This can support a faster healing process with fewer problems, reduce occupancy periods^{5,8,9}, and thus have a positive influence on the cost-effectiveness of clinics^{3,11,14}.

Patients can breathe a sigh of relief

Almost all Dräger ventilation instruments come with the option of non-invasive ventilation. This method can reduce the risk of hospital-acquired infections⁶, is significantly more comfortable for patients than invasive ventilation^{3,6,8}, and also helps to cut costs at the same time^{3,11,14}. With its multi-functional ventilation instruments from the Evita series and Savina, Dräger offers all modes of ventilation for non-invasive and conventional invasive ventilation^{1,2,4,7,13}. This gives doctors access to even more therapeutic options for the entire ventilation process.

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In addition, non-invasive ventilation also benefits the personal well-being of the patient, as there is no need for intubation. Instead, ventilation takes place

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through masks or nasal prongs (patient interfaces). With NovaStar, Dräger offers a full-face mask for ventilation purposes, which has a flexible body allowing it to be adjusted to fit the patient's face. The NovaStar silicone-gel cushion is very comfortable for the patient, especially when long-term ventilation is required.

Always have an eye on the data

Dräger's modern non-invasive monitoring solutions allow the continuous monitoring of vital parameters, such as the arterial blood pressure. This method provides results more quickly¹⁰ than the invasive arterial measurement and can also be used by nursing staff. In addition, the Infinity CNAP SmartPod also integrates continuous non-invasive blood pressure monitoring in Dräger monitoring systems.

Immediately identify what cannot be seen

Non-invasive screening procedures can quickly and cheaply confirm or rule out suspicions, thus making expensive laboratory blood tests unnecessary¹². For example, the non-invasive measurement of the transcutaneous bilirubin value (TcB) among infants, using the Dräger Jaundice Meter JM-103, represents a gentle and accurate¹² alternative to the conventional jaundice measurement procedure. This can reduce the necessity for painful blood withdrawal by up to 40 percent¹². Dräger also offers non-invasive instruments in the field of alcohol and drug testing. These can quickly provide information, for example, on whether a patient has consumed substances before arriving in the emergency department and, if this is the case, what substances have been consumed.

Dräger. Technology for Life®

The Drägerwerk AG & Co. KGaA is an international leader in the fields of medical and safety technology. Dräger products protect, support and save lives. Founded in 1889, in 2008 Dräger generated revenues of around EUR 1.9 billion. The Dräger Group is currently present in more than 190 countries and has about 11,000 employees worldwide. Please visit www.draeger.com for more information.

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