



PHILIPS

Health Systems

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Dr. Achim Ehrt, Deputy Medical Director for Anesthesiology and Intensive Care, Klinikum Ingolstadt

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The Medical Facility

Institute for Anesthesiology and Intensive Care at Klinikum Ingolstadt

The Challenge

The patient monitoring system, which had become rather old, was to be replaced. However, as the facility was undergoing a general renovation and the anesthesiology and intensive care departments therefore needed to move, the distances between the anesthetic room, operating rooms, and post-anesthesia recovery room had become longer. A new solution had to be found to close these gaps.

The Solution

The Philips IntelliVue X3 was designed for continuous monitoring and developed specifically for patients requiring transport. It enables networked, virtually gap-less monitoring. The IntelliVue X3 also offers all of the necessary features and smart, intuitive operation.

The Result

Continuous monitoring and patient data that is available where it is needed to support quality of care. Intuitive, smart operation leads to a high level of acceptance by users and promotes efficient work processes.

Continuous Monitoring to Support Patient Care

For anesthesiologists and medics working in intensive care, uninterrupted monitoring is essential for patient safety. In this field, innovative new monitoring systems offer solutions that combine mobility and performance.

For example, the IntelliVue X3 enables comprehensive monitoring of vital signs without any gaps even while the patient is being transported.



Complex Challenges Require Intelligent Solutions

When the anesthesiology and intensive care departments had to move as part of a general renovation at Klinikum Ingolstadt, it soon became clear that a new patient monitoring system was needed. "In our hospital, we perform around 15,000 anesthetics each year for patients of all ages, from new-born babies to the very elderly," explains Prof. Gunther Lenz, Director of the Institute for Anesthesiology and Intensive Care.

Saying Goodbye to Blank Intervals

The medical staff in Ingolstadt had been working with an old system. With this system, they needed to disconnect the modules before transporting the patient to the operating room and then reconnect them once the patient was in the operating room. During this brief period of time, the patient was not monitored. The move and the structure of the new central operating area made the problem more urgent — the distances patients were moved became longer and the gap in monitoring from leaving the operating room to arriving in the recovery room increased from twenty seconds to 10 minutes in the worst case.

Overarching Solution for Smooth Processes

Today, the monitoring system with the X3 transport monitor is installed on some 50 workstations in the clinic in Ingolstadt, including the central operating area with its eleven operating rooms, six preparation rooms, and 15 recovery rooms. It is also installed in peripheral locations such as urology, radiology, and the resuscitation room.

From Heartbeat to Heartbeat — Continuous Monitoring

"The great thing about the system is that the patient can be monitored fully, virtually gap-free," explains Chief Physician Prof. Lenz. "With the X3," Dr. Achim Ehrt, Deputy Medical Director for Anesthesiology and Intensive Care, adds, "we have a compact, transportable and yet complete monitoring system — that's a great combination."

Better Processes, Easier Remote Monitoring

Dr. Ehrt also appreciates the benefits of networking. Regardless of which operating room he is currently in, he can use the system to look at the vital signs of another patient. "As the Deputy Medical Director, that's really helpful for me if I'm in the middle of an operation and a colleague somewhere else has a question about another patient — I can simply switch to the colleague's monitor and check the data without having to leave my operation."

IntelliVue X3 — The Compact and Powerful Transport Monitor

- ECG with ST/AR arrhythmia, ST segment and QT interval analysis
- Classic diagnostic or derived 12-channel ECG
- Dual invasive pressure measurement and enhanced non-invasive blood pressure monitoring
- Display of up to five charts with the associated vital signs, alarms, and functions
- Can be configured according to hospital requirements
- Wireless integration into IntelliVue central stations and patient monitoring solutions
- Can be used in existing hospital and IT infrastructures
- Low level of training required thanks to intuitive user interface

Summary

1. Continuous monitoring supports quality of care.
2. High level of user acceptance thanks to intuitive, smart operation.
3. Integrated networking supports efficient work processes.

