



PHILIPS

Ultrasound

InnoSight

Customer story

Enhancing reach and access with **compact ultrasound devices**

Westfries Gasthuis hospital

Who?

Vincent Rietveld
ER physician

Where?

Westfries Gasthuis
Hoorn, The Netherlands

Challenge?

Implement a small, compact ultrasound system for use in resuscitation procedures

Solution?

Philips InnoSight, compact ultrasound system

The Westfries Gasthuis in Hoorn, the Netherlands, recently became the first Dutch hospital to use Philips InnoSight. This compact ultrasound system is extremely mobile, making it highly suitable for use in smaller spaces. The hospital's emergency department introduced the device in July 2017. Vincent Rietveld, ER physician in Hoorn, recounts his experiences.

“ Ten years from now, most physicians will use ultrasound. The technology is set to become a staple of tomorrow's clinical equipment environments.”

Vincent Rietveld, ER physician at the Westfries Gasthuis in Hoorn



Convenient and **compact**

“This year, we invested in two new ultrasound systems: Philips Affiniti, a high-end machine that is used for various types of examinations in the ER, and Philips InnoSight, a compact mobile ultrasound system.” The main reason for this was that we were looking for a small, easy-to-use system to use in resuscitation procedures across the hospital.” For the time being, Westfries Gasthuis is using InnoSight with the cardiac transducer for resuscitations, and the linear transducer for superficial examinations.

Philips InnoSight is a lightweight ultrasound tablet that can be mounted on a sturdy low-footprint cart. It supports multiple broadband transducers, including the cardiac and linear transducers, but also the convex abdominal and endocavity transducers. The ultrasound tablet, which weighs less than 2.5 kg, can be removed from the cart and used as a compact mobile system when required.

As Rietveld explains, “Theoretically, we can take the tablet off the stand with two simple clicks, but in practice, we keep it on the cart. The system is especially suitable for use in small spaces. Particularly in the hectic ER environment or during unexpected resuscitations outside the examination room, it is nice to have an intuitive mobile device like InnoSight in hand.”

Westfries Gasthuis does not employ the full range of InnoSight transducers, so the device is not yet deployed intensively. “For superficial examinations and procedures with the linear transducer, we normally use Affiniti, but if it is not available, we go for InnoSight,” says Rietveld. “However, in the future, when we also have the abdominal imaging transducer, InnoSight will be more widely and frequently used across the hospital. And we expect minimal time to master the system.”

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Vincent Rietveld, ER physician at the Westfries Gasthuis in Hoorn



The stethoscope's successor

Rietveld expects ultrasound devices to become even more compact in the future: "In this respect, InnoSight is a good step towards a future where ultrasound is becoming increasingly accessible and useful. The traditional image of a doctor with a stethoscope will likely disappear in the long run, because the stethoscope will make way for ultrasound devices that can be connected to tablets or smartphones that you can carry around in your breast pocket. In short, everything will be smaller, and more devices will be wireless."

Rietveld is not only an ER physician; he is also founder and course director at DEUS Ultrasound Courses. DEUS organizes echo courses for a range of target audiences, including medical and nursing specialists. Rietveld has noticed a rise in ultrasound devices across the various medical disciplines: "The technology is becoming more widely accepted. It complements and improves examinations. This form of imaging serves as an extension of the physical examination and is also called point-of-care ultrasound. However, it is certainly not a replacement for the ultrasound images produced by a radiologist. "Ten years from now, most physicians will use ultrasound. The technology is set to become a staple of tomorrow's clinical equipment environments." According to Rietveld, the increase in the use of ultrasound must be accompanied by adequate training and quality assurance. "For example, the Netherlands Society of Emergency Physicians (NSVHA) has set up a certification process for ER physicians. This process safeguards the quality of ultrasound imaging in both theory and practice. We hope and expect that all specialists and professional groups who plan to use ultrasound in their field will ensure the right quality control, through some form of certification."

An image of the future

Ultrasound imaging is increasingly becoming a part of medical consultations. Rietveld expects that the development of this technology will aid everyday healthcare practices in many ways. "Developing countries, for example, use tele-ultrasound. This method allows radiologists to assess images remotely, offering hospitals in these regions access to knowledge that would otherwise be (physically) out of reach." Rietveld believes that this technology is also very relevant in our healthcare system. "Physicians may gain access to relevant information with tele-ultrasound, helping them to plan care delivery ahead of time. Imagine a physician at the hospital viewing ultrasound images taken in ambulances as they happen. This gives clinicians a better idea of the situation and allows care providers to start treatment immediately when the patient arrives at the hospital. In time critical emergency situations, this is very helpful."

Ultrasound imaging is clearly playing an ever-growing role in daily activities across various medical disciplines. Because the technology is so versatile in its application, ultrasound will be increasingly integrated into medical imaging. Philips has an extensive portfolio of ultrasound devices and is constantly seeking to collaborate with hospitals to realize and implement further developments.



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InnoSight is manufactured by Qisda Corporation No.157, Shan-Ying Road, Shan-Ting Li, Gueishan Dist., Taoyuan City, Taiwan, R.O.C.



