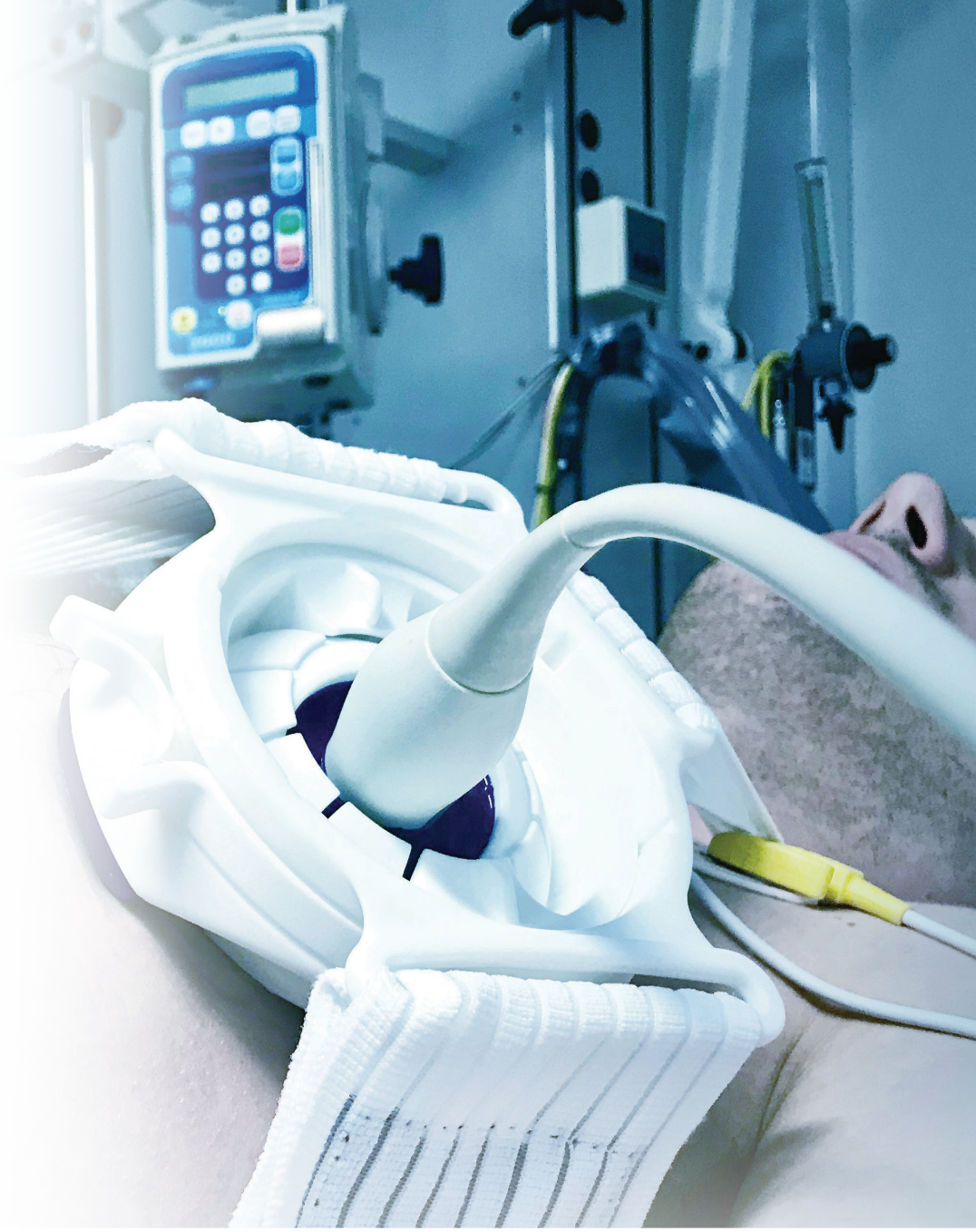
usono

smart ultrasound solutions

We are a medtech start-up that radically changes ultrasound usage by improving and innovating the way ultrasound examinations are performed. We focus on creating new and innovative solutions for the ultrasound market by making ultrasound easier and more accessible for operators. We enhance current procedures and develop new ultrasound applications by using state of the art technology. This includes wearable & hands-free ultrasound solutions. The first product, the ProbeFix, is a smart solution to fixate ultrasound transducers to the body to enable hands-free and continuous imaging of the heart.



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ProbeFix

ProbeFix fixates an existing ultrasound probe to the apical or parasternal side of the body. This provides stable and lengthy fixation of the probe to the body and enables continuous monitoring of the four or five chamber view of the heart. This non-invasive tool empowers ultrasound operators to create higher reproducible and hands-free ultrasound measurements. These improved measurements lead to more reliable data and a better workflow. ProbeFix has direct benefit during stress echocardiography procedures in cardiology departments and cardiac output monitoring on the intensive care department.

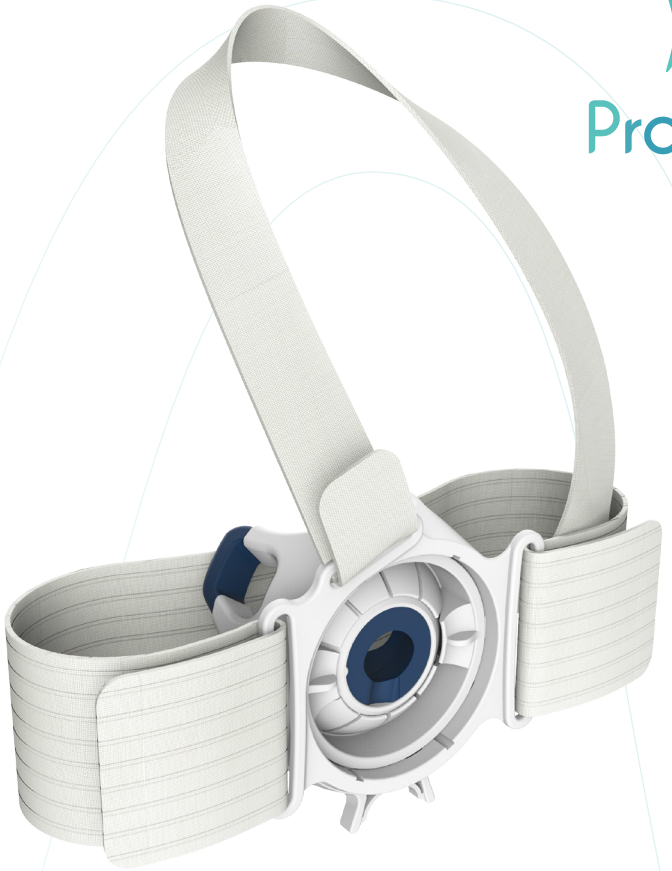
Stress echocardiography

Stress echocardiography is a procedure with dobutamine or a physical exercise on a treadmill or bike. During this lengthy procedure, both wall motion and flow are measured to assess the state of the heart. The use of ProbeFix increases the reproducibility of the image, by ensuring a stable fixation during and after the examination.

Cardiac output monitoring

Cardiac output monitoring of the heart is important to assess the need for fluid administration to the patient at the intensive care. VTI monitoring with ultrasound enables monitoring of the cardiac output in a non-invasive way. ProbeFix allows a stable way of VTI monitoring by measuring at exactly the same body-position. This leads to reliable results, it is non-traumatic and therefore less harmful for the patient.

ProbeFix®



Advantages

- Hands-free
- Non-invasive
- Improved reproducibility
- Continuous measurements