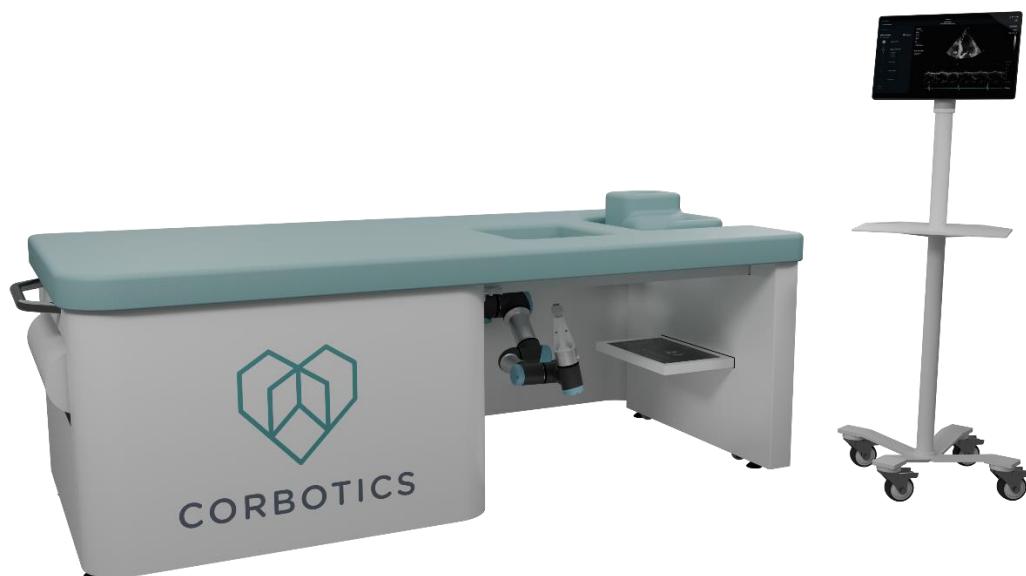


# Computer Science master thesis at Corbotics: method to determine the quality of echocardiographic images

At Corbotics, we are developing a robot that autonomously performs an ultrasound examination of the heart (trans-thoracic echocardiogram). During such an examination, it is necessary to analyse the quality (meaning the clarity and clinical usability) of captured images. This is a novel challenge for which there exists little prior work. It involves not just recognising when the image is perfect, but when the image is "as good as it is going to get" for the person under examination. Machine learning is a logical approach to take for this, though we are open to other methods being investigated as well. Quality estimation methods that you develop during the thesis can be tested both on a dataset we will provide, as well as live on our autonomous ultrasound bed!



Interested to work with us for your master thesis? Contact us:

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