



Dr Fresiello's ASAIO presentation now available on Youtube

Realheart collaborates with a number of international scientists in their process of developing the world's first artificial four-chamber heart. One is Dr Libera Fresiello of the Katholieke Universiteit Leuven, who recently presented her findings at a medical conference in Washington DC. Her [presentation](#) is now available on the Realheart website and on Youtube.

It was at the American Society of Artificial Internal Organs in Washington DC on June 10-12 that Dr Libera Fresiello presented the results from tests of Realheart TAH in a hybrid simulator – a model of the human blood circulation, where one can study in detail how the product interacts with the body in a variety of scenarios.

The project includes the tests of the atrial pressure sensors in combination with the automatic algorithm in the control unit. It has in part been funded by the Vinnova Medtech4Health project.

Dr Fresiello's presentation is available here: <https://www.youtube.com/watch?v=Rcx6Zk7LW4E>

At the same conference, Realheart's PhD student at the University of Bath, Joseph Bornoff, gave a poster presentation with an update on the ongoing computer simulation project, which will be presented in more detail at the annual meeting of the [European Society of Biomechanics](#) in Milan July 11-14.

“ - Dr Fresiello's detailed study of Realheart TAH shows that the product produces a pulsating blood flow that can be adjusted with the stroke volume and pulse, and that the two halves pump independently based on the atrial pressure to create a right / left balance. It is important for us to have this confirmed and presented by an internationally renowned heart pump researcher as it helps to increase trust and interest in our product and our brand”, says Realheart's CEO Ina Laura Perkins.

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Scandinavian Real Heart AB develops a total artificial heart (TAH) for implantation in patients with life-threatening heart failure. Realheart TAH has a unique, patented design that resembles that of the natural human heart. The artificial heart consists of a four-chamber system (two atriums and two chambers) which provides the opportunity to generate a physiologically adapted blood flow that mimics the body's natural circulation. A unique concept in the medical technology world.