

Mobile Autonomy for Children in End-stage Heart failure

Project Type: Innovation by Ideas
Societal challenges: Improve healthcare

The project in a nutshell

Children in end-stage heart failure awaiting transplantation are harder affected by the shortage in donor organs than adults: Due to the lack of miniaturized heart assist devices, they are constantly detained in intensive care wards. By adapting the only market available system suitable for patients of all ages using a new mobile driver unit, our device will help children to a greater level of independence.



Who benefits?

- Children and adults suffering from end-stage heart failure
- Parents and relatives giving care to patients on ventricular assist devices
- Professional specialists in nursing, ventricular assist device management, physicians

Where are you today and what is next?

While final device iterations are ongoing, the testing environment has been set up to enable both in silico and in vitro testing. On the educational level, an expert round was gathered and started meeting on a regular base to define both the framework of the envisioned educational programme and the observational trial.



The next year will be used to finalise the driver testing and to prepare the translation into clinics by setting up the protocol for an observational clinical trial to be implemented after CE mark is achieved.

Project Leader



Other Partners



We are looking for new Partners / Expertise



If you wish to collaborate with this project, scan the QR code and connect with it