

# GrOwnValve – Anchoring mechanism for a personalized, autologous heart valve for children



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## SUMMARY

The aim of the project is the production and testing of an anchoring mechanism of a personalized, autologous heart valve for children enabling growth in a once-in-a-lifetime point-of-care minimally invasive implantation. The novel anchoring mechanism facilitates placement of the valve without hindering growth of valve and vessel. For babies born with a congenital heart valve defect there is no dedicated child valve on the market. Instead they often receive xenogenic animal valves which degrade over the following years urging for risky open-heart re-surgery.

## PROJECT GOALS

- Perform preclinical testing of anchoring mechanism together with the valve
- Prepare phase II clinical trial in children

## LONG-TERM GOALS

- CE certification as a medical device

## PREVIOUS SPARK FUNDING

- I4H 2019

[GrOwnValve website](#)

