

# Development of a solid organ stapling device



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## SUMMARY

Current solutions for solid organ resection in surgery are limited, carry the risk for intra- or postoperative bleeding and are associated with a high probability of fistula development. These secondary complications pose a great medical risk for patients and lead to increased treatment costs.

Within previous SPARK-BIH funding periods, a functional prototype of a novel surgical stapler that allows a minimal-invasive, wedge-shaped resection of solid organs has been developed and the patent has been granted in the US and Japan. The EP patent application is pending.

The aim of the project in this SPARK-BIH funding period is the iteration of the prototype to a fully functional medical device prototype with preclinical technology and stable functionality.

## PROJECT GOALS

- Iteration of the prototype to a fully-functional medical device with adjusted usability.
- Perform in vitro validation tests

## LONG-TERM GOALS

- CE certification as a medical device
- Startup foundation or licensing to industry