

Prediction and prevention of congestive events in heart failure patients



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SUMMARY

Heart failure (HF) represents the leading cause of hospitalization worldwide. Because of the difficulty in treating this chronic disease, re-hospitalizations are associated with high cost for the healthcare systems, accounting for €28 billion per year in Europe only. The team aims at building an algorithm to predict and prevent congestive events in heart failure patients. They have identified risk predictors and created an algorithm. At the moment, the team is performing a database analysis on existing cohorts of HF patients to build the first risk prediction model.

PROJECT ACHIEVEMENTS DURING & AFTER SPARK

- Risk predictors identified
- First algorithm designed

LONG-TERM GOALS

- Perform clinical study to determine accuracy of prediction algorithm
- Submit invention disclosure
- License to medtech or startup foundation