









method to detect CHF decompensation in advance.



Non-Invasive Monitoring of Hemodynamics through Breaths: **Respirix Cardiospire**

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The Respirix Cardiospire can be registered with the FDA as a Class II 510(k) device; all our sensors in the current generation Cardiospire are off the shelf commodity hardware (EKG, PPG, airway pressure) and we anticipate leveraging several additional readily available sensors in our next generation device, maintaining 510(k) eligibility while bolstering our data steams and diagnostic capabilities.

CMS reimbursement for the CHF indication will require a multihundred patient longitudinal, outcomes-based study demonstrating that diuretic, vasodilator etc. therapy guided by our algorithm can reduce CHF related hospitals. This outcome will pave the way for coding and pricing of the Respirix device and software as a service to manage this patient population.

Respirix has filed 21 patents in three international PCT families covering the acquisition and analysis of our waveform for managing patient health. We have also developed trade secrets related to our computational approach to mining our data streams, and actively file additional patents as we proceed with development.





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