

Perminova Aims to Monitor Chest Fluid for Early Detection of Heart Failure and Other Diseases

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Being able to detect the escalating pleural effusions in patients with congestive heart failure (CHF), cancer, and other conditions could prevent clinical deteriorations, avoid mortalities, and improve health care costs. Typically, pleural effusion is diagnosed with a chest X-ray, but that usually happens when patients seek medical care for already developed symptoms.

The CoVa necklace from **Perminova**, a company out of La Jolla, California, is a new tool being developed to measure chest fluid levels regularly and conveniently. Electrodes on the bottom of the necklace are firmly attached to the chest using an adhesive and the device is worn for about fifteen minutes a day while measurements are done and recorded. Beside thoracic fluid measurement, the CoVa necklace also records the heart rate, respiration rate, heart rate variability, stroke volume, cardiac output, single-lead ECG, and posture, according to *MobiHealthNews*. The company is now planning to apply for an FDA clearance for the device and introduce it to hospitals in the U.S.

Link: [Perminova Sensor...](#)