LICENSING OPPORTUNITY: **LUNG FLUID MONITOR AND** MONITORING FLUID LEVEL IN A LUNG



DESCRIPTION

Problem

Pulmonary edema is a medical condition caused by the accumulation of excess fluid in the lungs. Monitoring the severity of this condition requires patients' access to medical facilities with typically expensive medical imaging systems. For patients without easy access to such facilities or those who might require continuous monitoring, this could be a problem.

Invention

This wearable device utilizes radio frequency technology to continuously sense and monitor fluid levels in the lungs. The resulting data from real-time monitoring enables early detection of pulmonary edema, allowing for timely medical intervention. Designed with non-invasive technology, it offers a comfortable and efficient alternative to traditional hospital diagnostics.

BENEFITS

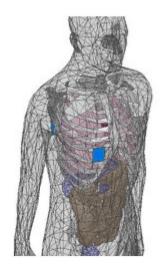
Potential Commercial Applications

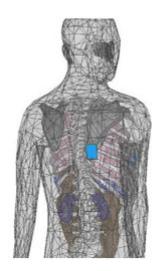
1. Early detection and monitoring of excess fluid in the lungs:

- 2. Non-invasive, comfortable, and eliminates complex procedures like X-ray or CT scan;
- 3. Real-time monitoring and providing instant data to the users and potentially to healthcare providers;
- 4. Wireless and wearable, which allows for mobility and convenience.

Competitive Advantage

Unlike traditional hospital diagnostics that rely on costly and time-consuming tests, this wearable device offers continuous, real-time monitoring of lung fluid buildup in a non-invasive and cost-effective way. By enabling early detection and intervention, it helps prevent severe complications, reduce hospital visits, and improve patient outcomes.





Model of computational human body and the antenna placements.