

**Docket #:** S24-080

# **Spinner Thrombectomy Device for Pulmonary Embolism Treatment**

Stanford researchers in the Zhao Lab have developed a mechanical thrombectomy device for Pulmonary Embolism (PE) that mechanically debulks and reduces volume of large clots without causing fragmentation.

This action is enabled by the rotational motion of the dissolver device. As the device comes into contact with a clot, the rapid spinning of the device leads to a volume reduction of the clot.

## **Stage of Development**

Large Animal Studies

## **Applications**

- Pulmonary Embolism (PE) Treatment, especially for massive PE

## **Advantages**

- Minimally invasive
- Lower adverse effects than pharmaceutical agents
- Debulks clots without causing fragmentation

## **Innovators**

- Renee Zhao
- Yilong Chang

# Licensing Contact

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