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

Patents

- Published Application: WO2025194148

Innovators

- Renee Zhao
- Yilong Chang

Licensing Contact

Seth Rodgers

Licensing Manager, Life Sciences

Email