



Eustachian tube ventilation plug

An implantable device to alleviate symptoms associated with patulous dysfunction of eustachian tubes.

IP Status: Provisional Patent Application Filed

Applications

- Treatment of patulous eustachian tubes.

Technology Overview

Patulous Eustachian Tubes (pET) is a condition where the tube connecting a person's middle ear to the nasopharynx is unable to be closed properly by surrounding muscles. Researchers at the University of Minnesota have developed an implantable device to provide pressure relief throughout the day to patients with pET. Improving on existing implantable solutions, this device insulates the middle ear from noises in the nasopharynx and requires only simple surgical techniques to implement.

Phase of Development

TRL:3-4

Working prototype. Earlier models were tested in cadavers

Desired Partnerships

This technology is now available for:

- License
- Sponsored research
- Co-development

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Researchers

- [Holly Boyer, MD](#) Professor, Department of Otolaryngology-Head & Neck Surgery
- [Sam Newell, MS](#) Medical Student, University of Minnesota Medical School

Technology ID

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