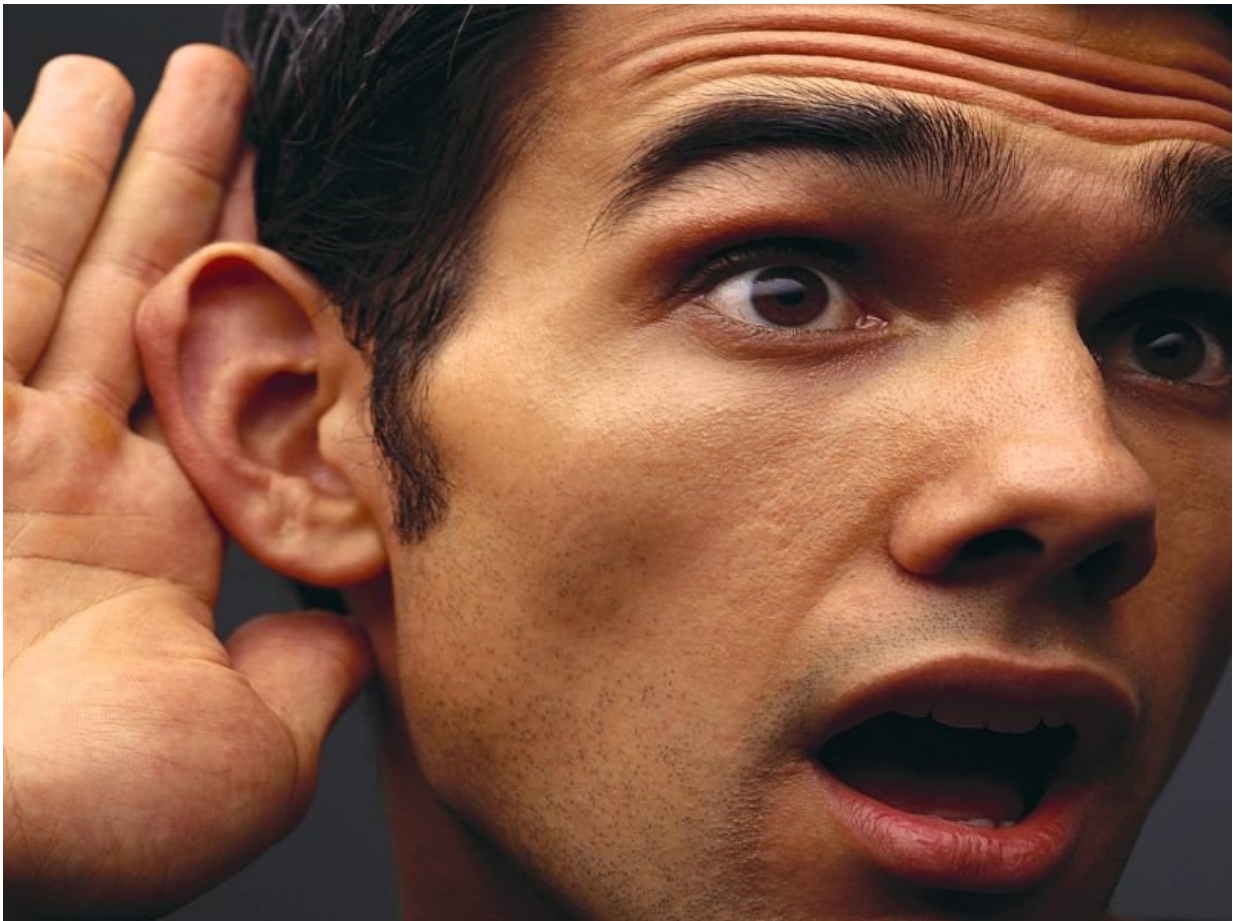


Medial temporal lobe surgery linked to prevalence of tinnitus

October 10 2017



(HealthDay)—Patients with epilepsy undergoing medial temporal lobe

(MTL) surgery have increased prevalence of tinnitus compared with controls and participants with self-reported epilepsy (SRE), according to a research letter published online Oct. 9 in *JAMA Neurology*.

Sébastien Paquette, Ph.D., from the Assistance Publique-Hôpitaux de Paris in France, and colleagues examined the risk of [tinnitus](#) across 166 surgical patients who had undergone unilateral MTL resection encroaching on the amygdala for the relief of medically intractable epilepsy, 332 age- and sex-matched controls, and 332 participants with SRE.

The researchers found that in all age groups, the prevalence of tinnitus increased with age. The prevalence was significantly higher among surgical patients than matched controls and participants with SRE (23.5 versus 9.9 percent and 11.7 percent, respectively; P surgical patients versus 7.2 percent for both controls and [participants](#) with SRE; sample comparison, P value = 0.47).

"The results of the present study provide evidence that the [surgical resection](#) of the MTL for the relief of intractable epilepsy is associated with an increased risk of tinnitus," the authors write.

More information: [Abstract/Full Text \(subscription or payment may be required\)](#)

Copyright © 2017 [HealthDay](#). All rights reserved.

Citation: Medial temporal lobe surgery linked to prevalence of tinnitus (2017, October 10) retrieved 27 April 2024 from <https://medicalxpress.com/news/2017-10-medial-temporal-lobe-surgery-linked.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private

study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.