Tongue Hearing pkg script and info

Suggested Anchor Lead

 OUR TONGUES ARE GREAT FOR TASTING AND SPEAKING, BUT NOW RESEARCHERS AT COLORADO STATE UNIVERSITY WANT TO ADD A NEW SKILL TO MAKE OUR TONGUES EVEN MORE USEFUL.

 THE IDEA IS TO USE A WIRELESS CONNECTION FROM A MICROPHONE TO A SPECIAL RETAINER IN YOUR MOUTH SO YOUR TONGUE CAN HEAR.

Supers

:10-15 Colorado State University/Fort Collins, Colorado

:33-37 Dr. Leslie Stone-Roy/CSU Biomedical Sciences Professor

:37-42 Mike Hooker/Colorado State University

1:01-05 Dr. John Williams/CSU Engineering Professor

1:33-38 JJ Moritz/CSU Graduate Student

Out: “…tongues to hear.”

TRT 1:58

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(nats: tongue sounds)

Our tongues helps us make sounds and speak. And of course, we TASTE with our tongues. But get this, we soon may be able to HEAR with our tongues, thanks to this research team at Colorado State University.

(Dr. Leslie Stone-Roy/CSU Biomedical Sciences Professor)

“this is the part of the device that you stick in your mouth.”

This testing gadget, covered with electrodes to translate sounds into tongue stimulation, is the experimental first generation of what this tongue expert, Professor Leslie Stone, says could be a less invasive, less expensive alternative to cochlear implants.

(Dr. Leslie Stone-Roy/CSU Biomedical Sciences Professor)

“The ultimate device is going to be something that fits inside the mouth that you can’t see, like a dental retainer.”

(standup: Mike Hooker/Colorado State University)

It’s tempting to compare this tongue device to braille. With braille if your eyes don’t see well enough to read you learn to use your fingers to read the words, but you haven’t taught your fingers to see. But researchers say with this device, once you train your tongue and your brain to work together your tongue has actually learned to hear.

(Dr. John Williams/CSU Engineering Professor)

“you would have to wear it typically 3 to 4 weeks we think, maybe even 2 or 3 months to fully begin to allow your brain to interpret these signals as words or sounds.”

Engineering professor John Williams co-leads this team…

(nats: “so do you feel those? Yes. Up.”)

…having his tongue mapped for sensitivity to figure out how much variety there is among tongues and what pattern of electrodes works best.

(Dr. John Williams/CSU Engineering Professor)

28;25 these little electrodes here are being energized depending on what frequency.

To restore hearing: If it works, that’s research with impact.

(JJ Moritz/CSU Graduate Student)

“I’d like to make a good impact on the world, maybe change some people’s lives.”

(Dr. John Williams/CSU Engineering Professor)

30;17 to be able to get those people to be able to hear like they could when they were young people that’s what’s really exciting about this technology.

 (Dr. Leslie Stone-Roy/CSU Biomedical Sciences Professor)

 “ ?You’re really upping the game for the tongues here? Yes, tongues are awesome!

AND TONGUES COULD SOON BE EVEN AWESOME-ER: IF THESE RESEARCHERS CAN PUT WORDS IN OUR MOUTHS, BY TEACHING OUR TONGUES TO HEAR.