

Mayo Clinic Medical Edge
Auditory Brain Stem Implant

1:00

Log

Audio

Intro with music	GIVING YOU THE EDGE ON HEALTHY LIVING, HERE'S MAYO CLINIC MEDICAL EDGE.
	THE WIND, THE RAIN...SOUNDS MANY OF US TAKE FOR GRANTED. BUT NOT EMILY WILLIAMS. A DISEASE CALLED NEUROFIBROMATOSIS IS CAUSING NON-CANCEROUS TUMORS TO FORM ALONG HER NERVES. EMILY SAYS THE WORST SYMPTOM BY FAR IS DEAFNESS.
Emily Williams, Patient	"IT'S LIKE BEING IN YOUR OWN WORLD."
	BECAUSE OF HER NERVE DAMAGE, HEARING AIDS AND COCHLEAR IMPLANTS CAN'T HELP. BUT A NEW DEVICE DOES. AN EXTERNAL

	<p>PART WORN BEHIND THE EAR PICKS UP SOUND AND CONVERTS IT TO ELECTRICAL SIGNALS. THOSE SIGNALS ARE TRANSMITTED TO A RECIEVER UNDER HER SKIN AND THEN TO AN ELECTRODE THAT MAYO CLINIC DR. COLIN DRISCOLL SAYS DIRECTLY STIMULATES THE HEARING PART OF THE BRAIN STEM.</p>
Colin Driscoll, M.D.	<p>“THEN EMILY’S BRAIN FIGURES OUT HOW TO INTERPRET THAT. THERE’S A LOT OF LEARNING THAT GOES ON.”</p>
	<p>EMILY’S HEARING WILL NEVER BE FULLY RESTORED. BUT SHE CONSIDERS ANY SOUND SHE DOES HEAR A REAL GIFT.</p>
	<p>FOR MORE INFORMATION, TALK TO YOUR DOCTOR OR VISIT MAYOCLINIC.ORG. I’M VIVIEN WILLIAMS.</p>
