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## Mayo Clinic Minute: Using voice to detect neurodegenerative disease

Video	Audio
	A person's voice may provide the first clues to a neurodegenerative disease.
<b>Hugo Botha, M.B., Ch.B.</b> <b>Neurology</b> <b>Mayo Clinic</b>	"There are some diseases where the very first manifestation is in someone's voice or their speech."
	As part of clinical practice, Mayo's neurology patients are often recorded when they have their voice or speech examined, which gives clinicians the opportunity to track the disease over time.
	"But separate from the clinical practice, we have a large research program at Mayo, where we are collecting voice and speech samples using an application that runs on the person's phone or their laptop computer."
Nats of person reading	"Catastrophe, catastrophe, catastrophe."
	Patients run through a series of exams remotely.
	The creation of this large speech bank, which securely stores all speech and voice samples, can be used for research, including using it to train AI algorithms.
	"There are some signals in someone's voice and speech that a computer or an algorithm might pick up on, that a human listener wouldn't pick up on. And so that's more of the sort of research, AI side of things, where we're trying to use hundreds of recordings and patients with various diseases, and then trying to see if the computer can separate those diseases, even though human listeners may not be able to."
	For the Mayo Clinic News Network, I'm DeeDee Stiepan.

