VIDEO: The future of skin allergy testing:

Skin allergies are common and often frustrating to diagnose. But new technology could soon help change that.

Dr. Alison Bruce, a dermatologist at the Mayo Clinic, is leading the development of an artificial intelligence (AI)- powered tool to support allergy patch testing. The tool is being designed to help patients self-apply test patches and use their smartphones to capture images over time, with technology offering guidance that could assist clinicians in diagnosis.

It's a promising step toward faster, easier, and more accessible skin allergy care, especially for people in rural areas or those with limited access to specialists. And it's one more way technology is being used to solve real-world problems in healthcare.

	Video.	Audi
	Itchy skin. Swollen patches. Skin allergies impact nearly :	
Alison Bruce, "That is when a substance comes into contact with M.B., Ch.B. reaction." Dermatology Mayo Clinic 126-1:31		omes into contact with the skin and causes a
		riggering a reaction, but Mayo Clinic's Dr. Alison es, lotions and many more substances can cause a act dermatitis.
	becomes fissured, if it's very	st turns red, itchy, flaky, scaly, kind of sometimes severe, kind of becomes so red and inflamed that u get little cracks and crevices in the skin."
	A new tool in development a healthcare team determine	nt Mayo Clinic aims to help patients and their the cause of the reaction.
	current state, if you suspect	Al tool to help with skin allergy testing, because in that, as a patient or your doctor suspects that you itis, the way to test for that would be through
	But testing can be time cons dermatologists' office multip	uming — requiring patients to return to the le days.
	"The idea behind having AI e situation where instead of go the patches on your skin you	enhance what we're doing is, if you can imagine a ping into your dermatologist, you were able to put irself, remove them at a predetermined time, and e the camera on your cell phone to image those

reactions, and then AI would be potentially able to interpret the reactions to, yes, there's a red reaction that corresponds to nickel, and therefore you're allergic to nickel."
Dr. Bruce says the new tool can improve the lives of those having skin reactions by making diagnosing more accessible and faster for patients.
"It can be done remotely. It can be done with imaging, AI interpretation, et cetera. It really broadens that reach of people who need care that can't always make it to places like Mayo Clinic."
For the Mayo Clinic News Network, I'm Alex Osiadacz.