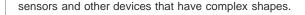
Stick-On Patch Proposed For Patient Monitoring : NPR

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Stick-On Patch Proposed For Patient Mo	nitoring				
WASHINGTON August 11, 2011, 09:38 pm ET	text size A A A				
One day monitoring a patient's vital signs like temperature and heart rate sticking on a tiny, wireless patch, sort of like a temporary tattoo.	could be a simple as				
Eliminating the bulky wiring and electrodes used in current monitors would comfortable for patients, says an international team of researchers who re Friday's edition of the journal Science.					
"What we are trying to do here is to really reshape and redefine electronic	s to look a lot more	NPR thanks our sp	onsors Beco	me an NPR Sponsor	
like the human body, in this case the surface layers of the skin," said Johr University of Illinois. "The goal is really to blur the distinction between elec- tissue."		most po	most popular		
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researchers embedded electronic sensors in a film thinner than the diameter of a human hair, th was placed on a polyester backing like those used for the temporary tattoos popular with . The result was a sensor that was flexible enough to move with the skin and would adhere		ashington Boost Job (Growth?		
without adhesives.		2. Your Picks: Books	2. Your Picks: Top 100 Science-Fiction, Fantasy Books		
	devices had remained in place for up to 24 hours. Rogers said in an shedding of skin cells would eventually cause the monitors to come off,				
he thought they could remain in place as long as two weeks.	they could remain in place as long as two weeks.		4. Postpartum Depression Clinic The First Of Its Kind		
In addition to monitoring patients in hospitals, other uses for the devices of brain waves, muscle movement, sensing the larynx for speech, emitting h and perhaps even being made touch sensitive and placed on artificial limb	eat to help heal wounds	mobile	9	Learn more 👂	
The device will help fill the need for equipment that is more convenient ar patients, permitting easier and more reliable monitoring, said Zhenqiang M professor at the University of Wisconsin, who was not part of the research skin can simply be stuck on or peeled off like an adhesive bandage, he not the report.	la, an engineering team. The electronic		NPR iPad Your mome Made easie *(driveway option	ents.* r.	
Rogers is a founder of the company MC10, based in Cambridge, Mass., we develop commercial uses of the devices, but he declined to speculate on skin would be ready for market or what it would cost.		TUE *	NO-WAY	_ م	
The monitor looks rather like a bandage and contains an antenna that couldata, though a radio to do that transmitting has not yet been tested, Roge		NPR'S NEWS BLOG			
The current design has a small coil and could be powered by induction — electrical coil — Rogers said. That would permit intermittent use, he said, monitoring a tiny battery or storage capacitor could be used.		Came From Fo - Europe Bans S	ng' Was Driving A Loai ormer Officers short Selling, But Will I nmittee' Members' Top	t Work?	
The monitor doesn't use an adhesive, relying on a weak force called the v causes molecules and surfaces to stick together without interfering with m	otion. The ability of	Contributors Se		more >	
geckos to climb smooth surfaces has been attributed to the van der Waals use the electronic skin could be coated with an adhesive.	storce. For longer-term	podcast			
Rogers and co-lead author Dae-Hyuong Kim, have been working on the to years. They earlier worked together to develop flexible electronics for here			Hourly News Su	ummary	



Funding for the research came from the Air Force Research Laboratory, the National Science Foundation, the U.S. Department of Energy, the Beckman Institute for Advanced Science and Technology at the University of Illinois, and a Defense Department National Security Science and Engineering Faculty Fellowship.

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Johnny Truant (Johnny_Truant) wrote: "as fortold, its the mark of teh beast!" "HG Wells was right, were living in 1984" "And whos paying for all this, socialist healthcare?"

There, now that we've gotten those out of the way...I think this sounds pretty neat!

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